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**LEVEL III**

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F-16 AIRCREW TRAINING DEVELOPMENT PROJECT

Contract No. F02604-79-C8875

F-16 TASK ANALYSIS  
CRITERION-REFERENCED OBJECTIVE  
AND OBJECTIVES HIERARCHY REPORT

VOLUME III

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1.7 Perform combat (c) [Hands-on]

1.7.1 Respond to receipt of target data while airborne [Hands-on]

1.7.1.1 Record target data [Hands-on]

1.7.1.1.1 Authenticate [Hands-on]

1.7.1.2 Analyze target data [Hands-on]

1.7.1.2.1 Determine feasibility [Hands-on]

1.7.1.2.1.1 Determine range requirements [Hands-on]

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- 1.7.1.2.1.2 Determine ordnance requirements [Hands-on]
- 1.7.1.3 Analyze threat data [Hands-on]
- 1.7.1.4 Plan ordnance delivery [Hands-on]
  - 1.7.1.4.1 Determine attack maneuver [Hands-on]
  - 1.7.1.4.2 Select delivery mode/set SCP for desired ordnance/delivery [Hands-on]
- 1.7.1.5 State considerations for responding to receipt of target data while airborne as opposed to during premission planning with no omission. [Academic]
- 1.7.2 Perform fence checks [Hands-on]
  - 1.7.2.1 Perform pre-strike Ops checks (E) [Hands-on]
    - 1.7.2.1.1 Name the items included in a pre-strike ops check in correct order with no omissions. [Academic]
  - 1.7.2.2 Arm conventional ordnance and verify on SCP [Hands-on]
    - 1.7.2.2.1 State the procedure for arming conventional ordnance and verifying on SCP with no omissions (system--weapons/SMS; operate SCP) [Academic]
  - 1.7.2.3 Pre-arm nuclear ordnance [Hands-on]
    - 1.7.2.3.1 State the procedure for pre-arming nuclear ordnance including associated notes, cautions, warnings, critical values, tolerances and limits with no omissions. (System--weapons/SMS; operate SCP.) [Academic]
  - 1.7.2.4 Reset exterior lighting [Hands-on]
    - 1.7.2.4.1 State the considerations for setting exterior lighting during fence check with no omissions. (System--lighting.) [Academic]
  - 1.7.2.5 Set up RWR/EW for combat [Hands-on]
    - 1.7.2.5.1 Given RWR modes, identify the situations where each may or should be employed without error. (System--penetration aids; operate RWR.) [Academic]
  - 1.7.2.6 Set up videotape recorder (VTR) [Hands-on]
    - 1.7.2.6.1 State the steps in the procedure for setting up videotape recorder (VTR) in correct order and with no omissions. [Academic]
  - 1.7.2.7 Arm chaff/flare dispensers [Hands-on]
    - 1.7.2.7.1 State the procedure for setting up chaff/flare dispensing in correct order and with no omissions. (Trivial) (System--penetration aids.) [Academic]
  - 1.7.2.8 Arm training ordnance and verify on SCP (T) [Hands-on]
    - 1.7.2.8.1 State the procedure for arming training ordnance and verifying on SCP, in correct order and with no omissions. (System--weapons/SMS.) [Academic]



1.7.2.9 Check seat survival kit and beacon selector [Hands-on]

1.7.2.9.1 State the considerations for setting seat survival kit selector with no omissions (system--escape). [Academic]

1.7.2.10 Set up/ARM air to air ordnance. [Hands-on]

1.7.2.10.1 State the procedure for AIM-9 missile set up including tactical considerations with no omissions (system--weapons; SMS; operate SCP). [Academic]

1.7.2.11 Set up radar [Hands-on]

1.7.2.11.1 State the considerations for setting up the radar during fence check, with no omissions. (System--Radar; operate radar.) [Academic]

1.7.2.12 Turn on tank inerting [Hands-on]

1.7.2.12.1 State the procedure for tank inerting, with no omissions (trivial) [Academic]

1.7.2.13 Set up selective jettison [Hands-on]

1.7.2.13.1 State the procedure and considerations for setting up selective jettison during fence check with no omissions. [Academic]

1.7.2.14 Check/set NAVAIIS [Hands-on]

1.7.2.15 Set IFF/Emitters [Hands-on]

1.7.2.16 List items that must be set up prior to entering real or simulated combat areas. [Academic]

1.7.2.17 List the items that must be accomplished during a "fence attack" prior to entering a real or simulated combat area (air-to-surface). [Academic]

1.7.3 Rendezvous with support aircraft/assignment [Hands-on]

1.7.3.1 Rendezvous with escort assignment (c) [Hands-on]

1.7.3.2 Rendezvous with FAC [Hands-on]

1.7.3.3 Rendezvous with SCAR aircraft (c) [Hands-on]

1.7.3.4 Rendezvous with Wild Weasel/Hunter-Killer aircraft (c) [Hands-on]

1.7.3.5 Rendezvous with pathfinder [Hands-on]

1.7.3.6 State the tactical considerations for rendezvousing with support aircraft/assignment with no omissions. [Academic]

1.7.4 Perform ingress [Hands-on]

1.7.4.1 Perform medium/high altitude ingress [Hands-on]

1.7.4.1.1 Perform medium/high altitude ingress--day [Hands-on]

1.7.4.1.2 Perform medium/high altitude ingress--night/IMC [Hands-on]

1.7.4.2 Perform low altitude ingress [Hands-on]

1.7.4.2.1 Perform low altitude ingress--nuclear [Hands-on]

1.7.4.2.2 Perform low altitude ingress--conventional [Hands-on]

1.7.4.2.3 State the tactical considerations for low altitude ingress with no omissions. [Academic]

1.7.4.3 Arrive on target at predetermined TOT [Hands-on]

1.7.4.3.1 Describe procedures and state tactical considerations for arriving on target at predetermined TOT with no omissions and without error. [Academic]

1.7.4.4 Perform manned range entry procedures [Hands-on]

1.7.4.4.1 State the procedure for performing manned range entry in accordance with local area directives. [Academic]

1.7.4.5 Perform unmanned range entry procedure (T) [Hands-on]

1.7.4.5.1 State the procedure for performing unmanned range entry in accordance with training restrictions and local directives. [Academic]

1.7.4.6 System workbook--penetration aids system. [Academic]

1.7.4.6.1 Describe the penetration aids system in the F-16A and F-16B aircraft. [Academic]

1.7.4.6.2 List with no omissions and describe without error the components and/or functions of the penetration aids system, including as appropriate the sequence and modes of internal and external operation. [Academic]

1.7.4.6.3 Given a photograph or drawing of the aircraft cockpit, locate and describe the function and manipulation of each control that directly affects the penetration aids system without error. [Academic]

1.7.4.6.4 Given a photograph or drawing of the aircraft cockpit, locate and describe the interpretation of each indicator that monitors the penetration aids system without error. [Academic]

1.7.4.6.5 State the possible modes of penetration aids system degradation, and describe their causes and consequences, without error. [Academic]

1.7.4.6.6 List with no omissions and describe without error any features of the penetration aids system in the F-16B that differ or are in addition to those in the F-16A. [Academic]

1.7.5 Perform air-to-air combat [Hands-on]

1.7.5.1 Perform air-to-air tactical formations [Hands-on]

1.7.5.1.1 Perform two-ship tactical formations [Hands-on]

1.7.5.1.1.1 Fly two-ship formation straight ahead (fluid 2 patrol) [Hands-on]

1.7.5.1.1.1.1 For each two-ship tactical formation, state the correct two-ship formation position including lateral, vertical, and fore-aft separation. [Academic]

1.7.5.1.1.1.2 Describe without error the methods of correcting lateral, vertical, and fore-aft position errors in two-ship tactical formation. [Academic]

1.7.5.1.2.2.4.2 Given a plan view diagram of a four-ship cross turn, indicate the area of maximum vulnerability to attack without error. [Academic]

1.7.5.1.2.2.5 Perform four-ship check turn [Hands-on]

1.7.5.1.2.2.5.1 Describe the steps in the procedure for performing four-ship check turn in correct order with no omissions. [Academic]

1.7.5.1.2.2.5.2 Describe the steps in the procedure for performing four-ship check turns in a comm out environment in correct order with no omissions. [Academic]

1.7.5.1.2.2.6 Perform four-ship weave [Hands-on]

1.7.5.1.2.2.6.1 Describe the steps in the procedure for performing four-ship weave in correct order with no omissions. [Academic]

1.7.5.1.2.2.6.2 Given a plan view diagram of a four-ship weave, indicate the area of maximum vulnerability to stern attack without error. (D) [Academic]

1.7.5.1.2.2.7 Given a tactical scenario and a turn requirement, correctly select the four-ship tactical turn or turns. [Academic]

1.7.5.1.2.3 Given a tactical scenario and a list of four-ship tactical formations, select the appropriate formation. [Academic]

1.7.5.1.3 Perform three-ship tactical formations. [Hands-on]

1.7.5.1.3.1 Fly three-ship formation straight ahead [Hands-on]

1.7.5.1.3.1.1 For each three-ship tactical formation, state the correct three-ship formation position, including lateral, vertical, and fore-aft separation. [Academic]

1.7.5.1.3.1.2 Describe without error the methods for wingmen to use in correcting lateral, vertical, and fore-aft separation errors in three-ship tactical formations. [Academic]

1.7.5.1.3.2 Perform three-ship turns [Hands-on]

1.7.5.1.3.2.1 Perform three-ship delayed 90 deg. turn [Hands-on]

1.7.5.1.3.2.1.1 Describe the steps in the procedure for performing a three-ship delayed 90 deg. turn in correct order with no omissions. [Academic]

1.7.5.1.3.2.1.2 Given normal spacing, state at least two visual cues for second element delayed 90 deg. turn initiation without error. [Academic]

1.7.5.1.3.2.1.3 Describe the steps for performing a three-ship delayed 90 deg. turn in a comm out environment in correct order without omissions. [Academic]

1.7.5.1.3.2.2 Perform three-ship in-place turn [Hands-on]

1.7.5.1.3.2.2.1 Describe the steps in the procedure for performing a three-ship in-place turn, including the effect of deviations from pre-briefed g and airspeed, in correct order with no omissions. [Academic]

1.7.5.1.3.2.2.2 Describe without error the effect on a three-ship in-place turn when the wingmen start from a position other than line abreast. [Academic]

1.7.5.1.3.2.3 Perform three-ship delayed 45 deg turn [Hands-on]

1.7.5.1.3.2.3.1 Describe the steps in the procedure for performing three-ship delayed 45 deg. turn in correct order with no omissions [Academic]

1.7.5.1.3.2.3.2 Given normal spacing state at least two visual cues for second aircraft three-ship delayed 45 deg. turn initiation without error. [Academic]

1.7.5.1.3.2.3.3 Describe the steps for performing a three-ship delayed 45 deg. turn in a comm out environment in correct order without omissions. [Academic]

1.7.5.1.3.2.4 Perform three-ship cross turn [Hands-on]

1.7.5.1.3.2.4.1 Describe the steps in the procedure for performing a three-ship turn with or without a weave in correct order with no omissions. [Academic]

1.7.5.1.3.2.4.2 Given a plan view diagram of a three-ship cross turn, indicate the area of maximum vulnerability to attack without error. [Academic]

1.7.5.1.3.2.5 Perform three-ship check turn [Hands-on]

1.7.5.1.3.2.5.1 Describe the steps in the procedure for performing three-ship check turn in correct order with no omissions. [Academic]

1.7.5.1.3.2.5.2 Describe the steps in the procedure for performing three-ship check turns in a comm out environment in correct order with no omissions. [Academic]

1.7.5.1.3.2.6 Perform three-ship weave [Hands-on]

1.7.5.1.3.2.6.1 Describe the steps in the procedure for performing three-ship weave in correct order with no omissions. [Academic]

1.7.5.1.3.2.6.2 Given a plan view diagram of a three-ship weave, indicate the area of maximum vulnerability to stern attack without error. [Academic]

1.7.5.1.3.2.7 Given a tactical scenario and a turn requirement, correctly select the three-ship tactical turn or turns. [Academic]

1.7.5.1.3.3 Given a tactical scenario and a list of three-ship tactical formations, select the appropriate formation. [Academic]

1.7.5.1.4 Perform 'cover' role [Hands-on]

1.7.5.1.4.1 Describe the procedure for performing 'cover' role in correct order with no omissions. [Academic]

1.7.5.1.4.2 Name the 'cover' role considerations of most importance without error and without omissions. [Academic]

1.7.5.1.4.3 State a representative radio call which would result in assuming cover role. [Academic]

1.7.5.1.5 Perform mixed force formations [Hands-on]

1.7.5.1.5.1 State the special considerations for mixed force formation with no omissions and without error. [Academic]

1.7.5.1.1.2 Perform two-ship turns [Hands-on]

1.7.5.1.1.2.1 Perform two-ship delayed 90 degree turn [Hands-on]

1.7.5.1.1.2.1.1 Describe the steps in the procedure for performing a two-ship delayed 90 degree turn in correct order with no omissions. [Academic]

1.7.5.1.1.2.1.2 Given normal spacing, state at least two visual cues for second aircraft two-ship delayed 90 degree turn initiation without error. [Academic]

1.7.5.1.1.2.1.3 Describe the steps for performing a two-ship delayed 90 degree turn in a comm out environment in correct order without omissions. [Academic]

1.7.5.1.1.2.2 Perform two-ship delayed 45 degree turn [Hands-on]

1.7.5.1.1.2.2.1 Describe the steps in the procedure for performing two-ship delayed 45 degree turn in correct order with no omissions. [Academic]

1.7.5.1.1.2.2.2 Given normal spacing, state at least two visual cues for second aircraft two-ship delayed 45 degree turn initiated without error. [Academic]

1.7.5.1.1.2.2.3 Describe the steps for performing a two-ship delayed 45 degree turn in a comm out environment in correct order without omissions. [Academic]

1.7.5.1.1.2.3 Perform two-ship 180 degree in-place turn (D) [Hands-on]

1.7.5.1.1.2.3.1 Describe the steps in the procedure for performing a two-ship 180 degree in-place turn, including the effect of deviations from prebriefed g and airspeed in correct order with no omissions. (D) [Academic]

1.7.5.1.1.2.3.2 Describe the effect on 180 degree two-ship in-place turn when the wingman starts from a position other than the line abreast without error. (D) [Academic]

1.7.5.1.1.2.3.3 Procedure for comm out in-place turns without omissions. [Academic]

1.7.5.1.1.2.4 Perform two-ship cross turn [Hands-on]

1.7.5.1.1.2.4.1 Describe the steps in the procedure for performing a two-ship cross turn with or without a weave in correct order with no omissions. [Academic]

1.7.5.1.1.2.4.2 Given a plan view diagram of a two-ship cross turn, indicate the area of maximum vulnerability to attack without error. [Academic]

1.7.5.1.1.2.5 Perform two-ship weave [Hands-on]

1.7.5.1.1.2.5.1 Describe the steps in the procedure for performing two-ship weave in correct order with no omissions. [Academic]

1.7.5.1.1.2.5.2 Given a plan view diagram for a two-ship weave, indicate the area of maximum vulnerability to stern attack without error. [Academic]

1.7.5.1.1.2.6 Perform two-ship check turn [Hands-on]

1.7.5.1.1.2.6.1 Describe the steps in the procedure for performing two-ship check turn in correct order with no omissions. [Academic]

1.7.5.1.1.2.6.2 Describe the steps in the procedure for performing two-ship check turns in a comm out environment in correct order with no omissions. [Academic]

1.7.5.1.1.2.7 Given a tactical scenario and a turn requirement, correctly select the appropriate two-ship tactical turn or turns. [Academic]

1.7.5.1.1.3 Given a tactical scenario and a list of two-ship tactical formations, select the appropriate two-ship tactical formation. [Academic]

1.7.5.1.2 Perform four-ship tactical formations [Hands-on]

1.7.5.1.2.1 Fly four-ship formation straight ahead [Hands-on]

1.7.5.1.2.1.1 For each four-ship formation, state the correct four-ship formation position including lateral, vertical, fore-aft separation. [Academic]

1.7.5.1.2.1.2 Describe without error the methods for wingmen to use in correcting lateral, vertical, and fore-aft separation errors in four-ship tactical formations. [Academic]

1.7.5.1.2.2 Perform four-ship turns [Hands-on]

1.7.5.1.2.2.1 Perform four-ship 90 deg. turn [Hands-on]

1.7.5.1.2.2.1.1 Describe the steps in the procedure for performing a four-ship delayed 90 deg. turn in correct order with no omissions. [Academic]

1.7.5.1.2.2.1.2 Given normal spacing, state at least two visual cues for second element delayed 90 deg. turn initiation without error. [Academic]

1.7.5.1.2.2.1.3 Describe the steps for performing four-ship delayed turn in a comm out environment in correct order without omissions. [Academic]

1.7.5.1.2.2.2 Perform four-ship in-place turn (D) [Hands-on]

1.7.5.1.2.2.2.1 Describe the steps in the procedure for performing a four-ship in-place turn, including the effect of deviations from pre-briefed g and airspeed, in correct order with no omissions. [Academic]

1.7.5.1.2.2.2.2 Describe without error the effect on a four-ship in-place turn when the wingmen start from a position other than line abreast. (D) [Academic]

1.7.5.1.2.2.3 Perform four-ship delayed 45 deg. turn [Hands-on]

1.7.5.1.2.2.3.1 Describe the steps in the procedure for performing four-ship delayed 45 deg. turn in correct order with no omissions. [Academic]

1.7.5.1.2.2.3.2 Given normal spacing, state at least two visual cues for second aircraft four-ship delayed 45 deg. turn initiation without error. [Academic]

1.7.5.1.2.2.3.3 Describe the steps for performing a four-ship delayed 45 deg. turn in a comm out environment in correct order without omissions. [Academic]

1.7.5.1.2.2.4 Perform four-ship cross turn [Hands-on]

1.7.5.1.2.2.4.1 Describe the steps in the procedure for performing a four-ship turn with or without a weave in correct order with no omissions (D) [Academic]

1.7.5.1.6 Perform formation lookout [Hands-on]

1.7.5.1.6.1 For a given formation, describe the lookout responsibilities of each formation member. [Academic]

1.7.5.1.6.1.1 Perform formation lookout--four-ship (D) [Hands-on]

1.7.5.1.6.1.2 For a given formation, describe the visual lookout responsibilities of each formation member. [Academic]

1.7.5.1.6.2 Perform formation radar lookout [Hands-on]

1.7.5.1.6.2.1 For a given formation describe the radar lookout responsibilities of each formation member. [Academic]

1.7.5.1.7 Name the varieties of air-to-air tactical formations and identify the situations where each may or should be employed with no omissions and without error. [Academic]

1.7.5.2 Perform tactical intercept [Hands-on]

1.7.5.2.1 Respond to receipt of initial air-to-air target information [Hands-on]

1.7.5.2.1.1 Given initial air-to-air target information, describe the correct response IAW tactical intercept considerations (3-1, Fighter Weapons School texts). [Academic]

1.7.5.2.2 Locate target beyond visual range [Hands-on]

1.7.5.2.2.1 Locate target with EW/electronic aids [Hands-on]

1.7.5.2.2.1.1 Identify given RWR symbols. [Academic]

1.7.5.2.2.1.2 State the steps in the procedure for locating target with EW/electronic aids without error. [Academic]

1.7.5.2.2.2 Locate target with radar [Hands-on]

1.7.5.2.2.2.1 Perform radar search/acquire target [Hands-on]

1.7.5.2.2.2.1.1 State the steps in the procedure for performing air-to-air radar search without error. [Academic]

1.7.5.2.2.2.2 Lock on target [Hands-on]

1.7.5.2.2.2.2.1 Describe the steps in the procedure for locking on target with radar in correct order with no omissions. [Academic]

1.7.5.2.2.2.2.2 Describe considerations for use of radar lock-on IAW 3-1, Fighter Weapons School texts. [Academic]

1.7.5.2.2.2.2.3 Given a tactical scenario, state the critical values, tolerances, and limits which apply to obtaining a radar lock-on without error. [Academic]

1.7.5.2.2.2.3 Determine target heading, altitude, and airspeed [Hands-on]

1.7.5.2.2.2.3.1 Given a photograph or drawing of an RFD display with a locked up target, state target heading, altitude, and airspeed without error. [Academic]

1.7.5.2.2.3.2 Describe the steps in the procedure for determining target heading, altitude, and airspeed without radar lock-on IAW Phase Manual. [Academic]

1.7.5.2.2.3.3 State the associated critical values tolerances and limits for determining target heading, altitude, and airspeed procedure with IAW Phase Manual. [Academic]

1.7.5.2.2.4 Given a photograph or drawing of an air-to-air RED display, identify all targets and state their critical parameters without error. [Academic]

1.7.5.2.2.4.1 Match drawings of RED symbols with their meanings without error. [Academic]

1.7.5.2.3 Relay radar acquisition information [Hands-on]

1.7.5.2.3.1 State the types of radar displayed information to be relayed, and describe the format of the relay message without error. [Academic]

1.7.5.2.4 Locate target with GCI/AWACS [Hands-on]

1.7.5.2.4.1 State the special considerations for locating target beyond visual range or described in 3-1, Fighter Weapons School texts, -34. [Academic]

1.7.5.2.3 Determine attack feasibility [Hands-on]

1.7.5.2.3.1 Given a common tactical scenario, determine attack feasibility IAW current tactical considerations and restrictions. [Academic]

1.7.5.2.4 Plan tactical intercept (BVR) [Hands-on]

1.7.5.2.4.1 Determine type of intercept [Hands-on]

1.7.5.2.4.1.1 Given an appropriate scenario, determine type of intercept current doctrine and regulations. [Academic]

1.7.5.2.4.1.2 Determine type of intercept with no omissions without error. [Academic]

1.7.5.2.4.2 Select weapons to employ in air-to-air scenario [Hands-on]

1.7.5.2.4.2.1 Given a tactical intercept scenario, select weapons to employ IAW 3-1 and Fighter Weapons School texts. [Academic]

1.7.5.2.4.2.1.1 State the considerations impacting weapons selection for tactical intercepts with no omissions and without error. [Academic]

1.7.5.2.4.3 Determine intercept geometry [Hands-on]

1.7.5.2.4.3.1 Determine collision course geometry [Hands-on]

1.7.5.2.4.3.1.1 Given own heading, target heading, radar contact point and co-air speeds, calculate collision course geometry within aircraft's tactical limitations. [Academic]

1.7.5.2.4.3.2 Determine stern conversion geometry [Hands-on]

1.7.5.2.4.3.2.1 Given own heading, target heading, and radar contact point, calculate



1.7.5.2.4.3.3 Given an appropriate scenario, determine intercept geometry without error. [Academic]

1.7.5.2.4.4 Plan formation intercept tactics [Hands-on]

1.7.5.2.4.4.1 Given a tactical scenario, plan formation intercept tactics IAW 3-1 and Fighter Weapons School texts. [Academic]

1.7.5.2.4.4.1.1 Given a list of formation intercept tactics and tactical scenarios, identify the situations where each intercept tactic may or should be employed IAW 3-1 and Fighter Weapons School texts. [Academic]

1.7.5.2.4.5 Given a common tactical scenario, plan a tactical intercept IAW tactical considerations and restrictions. [Academic]

1.7.5.2.5 Perform single-ship tactical intercept [Hands-on]

1.7.5.2.5.1 Perform collision course intercept [Hands-on]

1.7.5.2.5.1.1 Perform beam collision course intercept [Hands-on]

1.7.5.2.5.1.1.1 Given avionic and visual cues, describe subsequent specific actions to take in performing beam collision course intercept without error. [Academic]

1.7.5.2.5.1.1.1.1 State the procedure for beam collision course intercept and limits within which it may be performed in correct order with no omissions. [Academic]

1.7.5.2.5.1.1.1.2 State the associated critical values, tolerances, and limits for beam collision course intercept procedure without error. [Academic]

1.7.5.2.5.1.2 Perform front quarter collision course intercept [Hands-on]

1.7.5.2.5.1.2.1 Given avionic and visual cues, describe subsequent specific actions to take in performing front quarter collision course intercept without error. [Academic]

1.7.5.2.5.1.2.1.1 State the procedure for front quarter collision course intercept and limits within which it may be performed in correct order with no omissions. [Academic]

1.7.5.2.5.1.2.1.2 State the associated critical values, tolerances, and limits for front quarter collision course intercept procedure without error. [Academic]

1.7.5.2.5.1.3 Perform head-on collision course intercept [Hands-on]

1.7.5.2.5.1.3.1 Given avionic and visual cues, describe subsequent specific actions to take in performing head-on collision course intercept without error, with no omissions. [Academic]

1.7.5.2.5.1.3.1.1 State the procedure for head-on collision course intercept in correct order with no omissions. [Academic]

1.7.5.2.5.1.3.1.2 State the associated critical values, tolerances, and limits for head-on collision course intercept procedure without error. [Academic]

1.7.5.2.5.2 Perform stern conversion intercept [Hands-on]

1.7.5.2.5.2.1 Perform beam quadrant stern conversion intercept. [Hands-on]

1.7.5.2.5.2.1.1 Perform beam quadrant horizontal conversion [Hands-on]

1.7.5.2.5.2.1.1.1 Given avionic and visual cues, describe subsequent specific actions without error to take in performing beam quadrant horizontal conversion [Academic]

1.7.5.2.5.2.1.1.1.1 State the procedure for beam quadrant horizontal conversion and limits within which it may be performed in correct order with no omissions. [Academic]

1.7.5.2.5.2.1.2 Perform beam quadrant vertical conversion (C) [Hands-on]

1.7.5.2.5.2.1.2.1 Given avionic and visual cues, describe subsequent specific actions to take in performing beam quadrant vertical conversion without error. [Academic]

1.7.5.2.5.2.1.2.1.1 State the procedure for beam quadrant vertical conversion and limits within which it may be performed in correct order with no omissions. [Academic]

1.7.5.2.5.2.2 Perform front quarter stern conversion intercept [Hands-on]

1.7.5.2.5.2.2.1 Perform front quarter horizontal conversion [Hands-on]

1.7.5.2.5.2.2.1.1 Given avionic and visual cues, describe subsequent specific actions to take on performing front quarter horizontal conversion without error. [Academic]

1.7.5.2.5.2.2.1.1.1 State the procedure for front quarter horizontal conversion and limits within which it may be performed in correct order with no omissions. [Academic]

1.7.5.2.5.2.2.2 Perform front quarter vertical conversion [Hands-on]

1.7.5.2.5.2.2.2.1 Given avionic cues and visual cues, describe subsequent specific actions to take in performing front quarter horizontal conversion without error. [Academic]

1.7.5.2.5.2.2.2.1.1 State the procedure for front quarter horizontal conversion and limits within which it may be performed in correct order with no omissions. [Academic]

1.7.5.2.5.2.3 Perform head-on stern conversion intercept [Hands-on]

1.7.5.2.5.2.3.1 Perform head-on horizontal conversion [Hands-on]

1.7.5.2.5.2.3.1.1 Given avionic and visual cues, describe subsequent specific actions to take in performing head-on horizontal conversion without error. [Academic]

1.7.5.2.5.2.3.1.1.1 State the procedure for head-on horizontal conversion and limits within which it may be performed in correct order with no omissions. [Academic]

1.7.5.2.5.2.3.2 Perform head-on vertical conversion [Hands-on]

1.7.5.2.5.2.3.2.1 Given avionic and visual cues, describe subsequent specific actions to take in performing head-on vertical conversion without error. [Academic]

1.7.5.2.5.2.3.2.1.1 State the procedure for head-on vertical conversion and limits within which it may be performed in correct order with no omissions. [Academic]

1.7.5.2.5.2.4 Perform night/IMC intercept [Hands-on]

1.7.5.2.5.2.4.1 Describe the procedure and expected RED/HUD display for IMC or night stern ID of a nonmaneuvering target without error. [Academic]

1.7.5.2.5.2.4.2 Describe the procedures and expected RED/HUD display for IMCV or night stern ID if an evasive/maneuvering target without error. [Academic]

1.7.5.2.5.2.4.3 State assoc. notes, cautions, warnings, crit. values, tolerances, and limits to include closure rates vs range, desired final target azimuth/elev., radar limits, min. safe range, and wingman position for IMC or night stern ID procedure w/no omissions. [Academic]

1.7.5.2.5.2.4.4 State the special considerations to close to final ID position from roll-out 1-3nm in the stern in IMC or night conditions against hostile or nonhostile targets with no omissions. [Academic]

1.7.5.2.5.2.4.5 Name the day/night interceptor signals and state associated meaning with no omissions without error. [Academic]

1.7.5.2.5.2.4.6 Describe the procedure for overshoot, breakaway and recovery during IMC or night stern without error. [Academic]

1.7.5.2.5.3 Name the varieties of single-ship tactical intercept(s) with no omissions, without error. [Academic]

1.7.5.2.6 Respond to maneuvering bogey (BVR) [Hands-on]

1.7.5.2.6.1 Given a tactical scenario including RED/RHAW indications determine the best response IAW 3-1 and Fighter Weapons School texts. [Academic]

1.7.5.2.7 Perform formation attack [Hands-on]

1.7.5.2.7.1 Perform two-ship fluid attack [Hands-on]

1.7.5.2.7.1.1 Describe the procedure for two-ship sequential attack and name the considerations of most importance with no omissions or errors. [Academic]

1.7.5.2.7.1.2 Describe the procedure for two-ship shooter-cover attack and name the considerations of most importance with no omissions. [Academic]

1.7.5.2.7.1.3 Correctly list in any order the responsibilities of the free fighter in two-ship fluid attack. [Academic]

1.7.5.2.7.1.4 Correctly list in any order the responsibilities of the engaged fighter in two-ship fluid attack [Academic]

1.7.5.2.7.1.5 Correctly list at least four benefits of mutual support in a two-ship fluid attack scenario. [Academic]

1.7.5.2.7.1.6 Correctly state the important considerations in assigning roles of free and engaged fighter in a two-ship fluid attack scenario. [Academic]

1.7.5.2.7.2 Perform two-ship formation counteroffensive maneuvers. [Hands-on]

1.7.5.2.7.2.1 Given a counter offensive scenario including enemy aircraft type, armament, aspect angle, closure, and range, correctly state the best initial move to negate the attack. [Academic]

1.7.5.2.7.2.2 Correctly state the important consideration in assigning roles of free and engaged fighter in a two-ship counteroffensive scenario. [Academic]

1.7.5.2.7.2.3 Describe the procedures and important considerations for the engaged fighter in a two-ship counteroffensive scenario with no omissions or errors. [Academic]

1.7.5.2.7.2.4 Describe the procedure and important considerations for the free fighter in a two-ship counteroffensive scenario with no omissions or errors. [Academic]

1.7.5.2.7.3 Given a tactical scenario including ordnance load, fuel status, and number and type of enemy aircraft determine the best two-ship attack profile IAW 3-1 and Fighter Weapons School texts. [Academic]

1.7.5.2.8 Locate target within visual range [Hands-on]

1.7.5.2.8.1 Perform visual search [Hands-on]

1.7.5.2.8.1.1 Correctly explain at least four important considerations in conducting visual search. [Academic]

1.7.5.2.8.1.1.1 Given an RED presentation of a target, either locked-on or not locked-on, correctly state the appropriate direction of visual search within 30 deg. laterally and vertically. [Academic]

1.7.5.2.8.1.2 Given bull's-eye location, own position, own heading, GCI bull's-eye call, state the area of visual search within 90 deg. [Academic]

1.7.5.2.8.2 ID bogey [Hands-on]

1.7.5.2.8.2.1 Perform hook ID (C) [Hands-on]

1.7.5.2.8.2.1.1 Describe the steps in the procedure for hook ID in correct order with no omissions. [Academic]

1.7.5.2.8.2.1.2 State the associated notes, cautions, warnings, tolerances, critical values and limits for hook ID procedure without error. [Academic]

1.7.5.2.8.2.2 Perform offset ID [Hands-on]

1.7.5.2.8.2.3 Perform frontal VID conversion to stern (vertical) [Hands-on]

1.7.5.2.8.3 Relay visual acquisition information [Hands-on]

1.7.5.2.8.3.1 State the types of visual acquisition information to be relayed with no omissions and describe the format of the message without error. [Academic]

1.7.5.2.9 Respond to maneuvering bogey (WVR) [Hands-on]

1.7.5.2.9.1 Select offensive and counteroffensive maneuvers [Hands-on]

1.7.5.2.9.1.1 Perform offensive BFM [Hands-on]

1.7.5.2.9.1.1.1 Perform acceleration maneuver [Hands-on]

1.7.5.2.9.1.1.1.1 Given own position during an acceleration maneuver and target's actions and position, describe subsequent specific actions to take IAW the phase manual, FWIC Instructional texts, and TRICOM Manual 3-1 [Academic]

1.7.5.2.9.1.1.1.1.1 Correctly state the purpose of the acceleration maneuver IAW Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.1.1.1.2 Given an offensive one versus one scenario containing all pertinent data, identify those scenario(s) where the acceleration maneuver is appropriate IAW Fighter Weapons texts. [Academic]

1.7.5.2.9.1.1.1.1.3 Describe the steps in performing the acceleration maneuver including all important considerations and at least one defensive counter maneuver IAW Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.1.2 Perform barrel roll maneuver [Hands-on]

1.7.5.2.9.1.1.2.1 Given own position during a barrel roll maneuver and target's actions and position, describe subsequent specific actions to take IAW the phase manual, FWIC Instructional texts, and TRICOM Manual 3-1. [Academic]

1.7.5.2.9.1.1.2.1.1 Correctly state the purpose of the barrel roll maneuver IAW Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.1.2.1.2 Given an offensive one versus one scenario containing all pertinent data, identify those scenario(s) where the barrel roll maneuver is appropriate IAW with Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.1.2.1.3 Describe the steps in performing the barrel-roll maneuver including all important considerations and at least one defensive counter-maneuver IAW Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.1.3 Perform Immelmann turn [Hands-on]

1.7.5.2.9.1.1.3.1 Given own position during an Immelmann turn maneuver and target's actions and position, describe subsequent specific actions to take IAW the phase manual, FWIC Instructional texts, and TRICOM Manual 3-1. [Academic]

1.7.5.2.9.1.1.3.1.1 Correctly state the purpose of the Immelmann turn maneuver IAW Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.1.3.1.2 Given an offensive one versus one scenario containing all pertinent data, identify those scenario(s) where the Immelmann turn maneuver is appropriate IAW with Fighter weapons School texts. [Academic]

1.7.5.2.9.1.1.3.1.3 Describe the steps in performing the Immelmann turn maneuver including all important considerations and at least one defensive counter-maneuver IAW Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.1.4 Perform pursuit [Hands-on]

1.7.5.2.9.1.1.4.1 Perform lag pursuit. [Hands-on]

1.7.5.2.9.1.1.4.1.1 Given cues, describe the next specific action to take in performing lag pursuit against a target turning into the attack at 4 gs or greater. [Academic]

1.7.5.2.9.1.1.4.1.1.1 Describe the steps in the procedure for lag pursuit in correct order with no omissions. [Academic]

1.7.5.2.9.1.1.4.1.2 Describe the effect of lead, pure, and lag pursuit curves against a target turning at 4 gs or more in terms of resultant angle-off and relative elapsed time to rendezvous. [Academic]

1.7.5.2.9.1.1.4.2 Perform pure pursuit [Hands-on]

1.7.5.2.9.1.1.4.2.1 Given cues, describe next specific action to take in performing pure pursuit against both a target flying straight ahead one turning into the attack at 4 gs or greater IAW Phase Manual. [Academic]

1.7.5.2.9.1.1.4.2.1.1 Describe the steps in the procedure for pure pursuit in correct order with no omissions. [Academic]

1.7.5.2.9.1.1.4.3 Perform lead pursuit [Hands-on]

1.7.5.2.9.1.1.4.3.1 Given cues, describe next specific action to take in performing lead pursuit against a target turning into the attack at 4 gs or greater IAW Phase Manual. [Academic]

1.7.5.2.9.1.1.4.3.1.1 Describe the steps in the procedure for lead pursuit in correct order with no omissions. [Academic]

1.7.5.2.9.1.1.4.4 Given plan view diagrams of target and attacker flight path, label each diagram as either lead, pure, or lag pursuit. [Academic]

1.7.5.2.9.1.1.5 Perform lead turn maneuver [Hands-on]

1.7.5.2.9.1.1.5.1 Given own position during a lead turn maneuver and target's actions and position, describe subsequent specific actions to take IAW the phase manual, FWIC Instructional texts, and TRICOM Manual 3-1. [Academic]

1.7.5.2.9.1.1.5.1.1 Correctly state the purpose of the lead turn maneuver IAW Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.1.5.1.2 Given an offensive one versus one scenario containing all pertinent data, identify those scenario(s) where the lead turn maneuver is appropriate IAW with Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.1.5.1.3 Describe the steps in performing the lead turn

1.7.5.2.9.1.1.6 Perform lag roll [Hands-on]

1.7.5.2.9.1.1.6.1 Given own position during a lag roll maneuver and target's actions and position, describe subsequent specific actions to take IAW the phase manual, FWIC Instructional texts, and TRICOM Manual 3-1. [Academic]

1.7.5.2.9.1.1.6.1.1 Correctly state the purpose of the lag roll maneuver IAW Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.1.6.1.2 Given an offensive one versus one scenario containing all pertinent data, identify those scenario(s) where the lag roll maneuver is appropriate IAW with Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.1.6.1.3 Describe the steps in performing the lag roll maneuver including the important considerations and at least one counter-maneuver IAW Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.1.7 Perform high yo-yo [Hands-on]

1.7.5.2.9.1.1.7.1 Given own position during a high yo-yo maneuver and target's actions and position, describe subsequent specific actions to take IAW the phase manual, FWIC Instructional texts, and TRICOM Manual 3-1. [Academic]

1.7.5.2.9.1.1.7.1.1 Correctly state the purpose of the high yo-yo maneuver IAW Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.1.7.1.2 Given an offensive one versus one scenario containing all pertinent data, identify those scenario(s) where the high yo-yo maneuver is appropriate IAW with Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.1.7.1.3 Describe the steps in performing the high yo-yo maneuver including all important considerations and at least one counter maneuver IAW Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.1.8 Perform quarter plane maneuver [Hands-on]

1.7.5.2.9.1.1.8.1 Given own position during a quarter plane maneuver and target's actions and position, describe subsequent specific actions to take IAW the phase manual, FWIC Instructional texts, and TRICOM Manual 3-1. [Academic]

1.7.5.2.9.1.1.8.1.1 Correctly state the purpose of the quarter plane maneuver IAW Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.1.8.1.2 Describe the steps in performing the quarter plane maneuver including all important considerations and at least one counter maneuver IAW Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.1.9 Perform gun tracking [Hands-on]

1.7.5.2.9.1.1.9.1 Given a tactical scenario, describe the control inputs and power adjustment needed to achieve and/or maintain gun tracking parameters IAW Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.1.9.1.1 Given HUD photographs, identify those in which gun tracking parameters have been achieved IAW Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.1.9.1.1.1 Describe the following four errors present in a gun tracking situation: parallax, gravity drop, trajectory shift, and kinematic lead; with no errors or omissions, IAW Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.1.9.1.1.2 Given a drawing of a turning aircraft including all pertinent data, correctly designate the aircraft's plane of motion. [Academic]

1.7.5.2.9.1.1.9.1.2 State the limiting performance parameters and parameter values for gun tracking IAW Phase Manual. [Academic]

1.7.5.2.9.1.1.10 Perform high deflection gunshot [Hands-on]

1.7.5.2.9.1.1.10.1 Given a tactical scenario, describe the control inputs and power adjustments needed to achieve a high deflection gun shot. [Academic]

1.7.5.2.9.1.1.10.1.1 Given tactical scenarios, identify those in which a high deflection gun shot is required. [Academic]

1.7.5.2.9.1.1.10.1.2 State the limiting performance parameters and parameter values for high deflection gunshot IAW Fighter Weapons School texts and aircraft limitations. [Academic]

1.7.5.2.9.1.1.11 Perform butterfly dart pattern (T) (C) [Hands-on]

1.7.5.2.9.1.1.11.1 Given avionic and visual cues, describe subsequent actions to take in performing a butterfly dart pattern IAW Fighter Weapons School texts and Phase Manuals within current 55-16 and 51-50 restrictions. [Academic]

1.7.5.2.9.1.1.11.1.1 State the butterfly dart pattern entry conditions without error. [Academic]

1.7.5.2.9.1.1.11.1.2 Given HUD photographs, identify the correct firing parameters for a standard dart without error. [Academic]

1.7.5.2.9.1.1.12 Perform high angle dart pattern. (T) (C) [Hands-on]

1.7.5.2.9.1.1.12.1 Describe the steps in the procedure for high angle dart pattern (T) in correct order with no omissions. [Academic]

1.7.5.2.9.1.1.12.2 State the associated notes, cautions, warnings, critical values, tolerances and limits for high angle dart pattern (T) procedure without error. [Academic]

1.7.5.2.9.1.1.13 Perform low yo-yo [Hands-on]

1.7.5.2.9.1.1.13.1 Given own position during a low yo-yo maneuver and target's actions and position, describe subsequent specific actions to take IAW the phase manual, FWIC Instructional texts, and TRICOM Manual 3-1. [Academic]

1.7.5.2.9.1.1.13.1.1 State the limiting performance parameters and parameter values for low yo-yo. [Academic]



1.7.5.2.9.1.1.13.1.2 Given an offensive one versus one scenario containing all pertinent data, identify those scenario(s) where the low yo-yo maneuver is appropriate IAW with Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.1.13.1.3 Describe the steps in performing the low yo-yo maneuver including all important considerations and at least one defensive counter maneuver IAW Fighter Weapons School texts. [Academic]

1.7.5.2.9.1.2 Perform counteroffensive BFM [Hands-on]

1.7.5.2.9.1.2.1 Perform extension maneuver [Hands-on]

1.7.5.2.9.1.2.1.1 Given own position during an extension maneuver and attacker's actions and position, describe subsequent specific actions to take IAW the Phase Manual, FWIC Instructional texts, and TRICOM Manual 3-1. [Academic]

1.7.5.2.9.1.2.1.1.1 Given counteroffensive one versus one scenarios containing all pertinent data, correctly identify those scenario(s) where the extension maneuver is appropriate. [Academic]

1.7.5.2.9.1.2.1.1.1.1 Correctly state the purpose of the extension maneuver IAW the phase Manual. [Academic]

1.7.5.2.9.1.2.1.1.2 Given the Phase Manual describe the steps in performing the extension maneuver including all important considerations and at least one offensive counter maneuver. Describe these steps in correct order with no omissions. [Academic]

1.7.5.2.9.1.2.2 Perform defensive turn [Hands-on]

1.7.5.2.9.1.2.2.1 Given own position during a defensive turn maneuver and attacker's actions and position, describe subsequent specific actions to take IAW the Phase Manual, FWIC Instructional Texts, and TRICOM Manual 3-1. [Academic]

1.7.5.2.9.1.2.2.1.1 Given counteroffensive one versus one scenarios containing all pertinent data, correctly identify those scenario(s) where the defensive turn maneuver is appropriate. [Academic]

1.7.5.2.9.1.2.2.1.1.1 Correctly state the purpose of the defensive turn maneuver IAW the Phase Manual. [Academic]

1.7.5.2.9.1.2.2.1.2 IAW the Phase Manual, describe the steps in performing the defensive turn maneuver including all important considerations and at least one offensive counter-maneuver. Describe these steps in correct order with no omissions. [Academic]

1.7.5.2.9.1.2.3 Perform reversal [Hands-on]

1.7.5.2.9.1.2.3.1 Given own position during a reversal maneuver and attacker's actions and position, describe subsequent specific actions to take IAW the Phase Manual, FWIC Instructional Texts, and TRICOM Manual 3-1. [Academic]

1.7.5.2.9.1.2.3.1.1 Given counteroffensive one versus one scenarios containing all pertinent data, correctly identify those scenario(s) where the reversal maneuver is appropriate. [Academic]

1.7.5.2.9.1.2.3.1.1.1 Correctly state the purpose of the reversal maneuver IAW the Phase Manual. [Academic]

1.7.5.2.9.1.2.3.1.2 IAW the Phase Manual, describe the steps in performing the reversal maneuver including all important considerations and at least one offensive counter maneuver. Describe these steps in correct order with no omissions. [Academic]

1.7.5.2.9.1.2.4 Perform missile break turn [Hands-on]

1.7.5.2.9.1.2.4.1 Given own position during a missile break maneuver and attacker's actions and position, describe subsequent specific actions to take IAW the Phase Manual, FWIC Instructional Texts, and TRICOM Manual 3-1. [Academic]

1.7.5.2.9.1.2.4.1.1 Given counteroffensive one versus one scenarios containing all pertinent data, correctly identify those scenario(s) where the missile break maneuver is appropriate. [Academic]

1.7.5.2.9.1.2.4.1.1.1 Correctly state the purpose of the missile break maneuver IAW the Phase Manual. [Academic]

1.7.5.2.9.1.2.4.1.2 IAW the Phase Manual describe the steps in performing the missile break maneuver including all important considerations and at least one offensive counter-maneuver. Describe these steps in correct order with no omissions. [Academic]

1.7.5.2.9.1.2.5 Perform gun break turn [Hands-on]

1.7.5.2.9.1.2.5.1 Given own position during a gun break maneuver and attacker's actions and position, describe subsequent specific actions to take IAW the Phase Manual, FWIC Instructional Texts, and TRICOM Manual 3-1. [Academic]

1.7.5.2.9.1.2.5.1.1 Given counteroffensive one versus one scenarios containing all pertinent data, correctly identify those scenario(s) where the gun break maneuver is appropriate. [Academic]

1.7.5.2.9.1.2.5.1.1.1 Correctly state the purpose of the gun break maneuver IAW the Phase Manual. [Academic]

1.7.5.2.9.1.2.5.1.2 IAW the Phase Manual, describe the steps in performing the gun break maneuver including all important considerations and at least one counter-maneuver. Describe these steps in correct order with no omissions. [Academic]

1.7.5.2.9.1.2.6 Perform scissors [Hands-on]

1.7.5.2.9.1.2.6.1 Perform vertical scissors [Hands-on]

1.7.5.2.9.1.2.6.2 Perform horizontal scissors [Hands-on]

1.7.5.2.9.1.2.6.3 Given own position during a scissors maneuver and attacker's actions and position, describe subsequent specific actions to take IAW the Phase Manual, FWIC Instructional Texts, and TRICOM Manual 3-1. [Academic]

1.7.5.2.9.1.2.6.3.1 Given counteroffensive one versus one scenarios containing all pertinent data, correctly identify those scenario(s) where the scissors maneuver is appropriate. [Academic]

1.7.5.2.9.1.2.6.3.1.1 Correctly state the purpose of the scissors maneuver IAW the Phase Manual. [Academic]

1.7.5.2.9.1.2.6.3.2 IAW the Phase Manual, describe the steps in performing the scissors maneuver including the important considerations and at least one offensive counter maneuver. Describe these steps in correct order with no omissions. [Academic]

1.7.5.2.9.1.2.7 Perform high g roll over top [Hands-on]

1.7.5.2.9.1.2.7.1 Given own position during a high g roll over-the-top maneuver and attacker's actions and position, describe subsequent specific actions to take IAW the Phase Manual, FWIC Instructional Texts, and TRICOM Manual 3-1. [Academic]

1.7.5.2.9.1.2.7.1.1 Given counteroffensive one versus one scenarios containing all pertinent data, correctly identify those scenario(s) where the high g roll over-the-top maneuver is appropriate. [Academic]

1.7.5.2.9.1.2.7.1.1.1 Correctly state the purpose of the high g roll over-the-top maneuver IAW the Phase Manual. [Academic]

1.7.5.2.9.1.2.7.1.2 IAW the Phase Manual describe the steps in performing the high g roll over-the-top maneuver including all important considerations and at least one offensive counter-maneuver. Describe these steps in correct order with no omissions. [Academic]

1.7.5.2.9.1.2.8 Perform high g roll underneath [Hands-on]

1.7.5.2.9.1.2.8.1 Given own position during a high g roll underneath maneuver and attacker's actions and position, describe subsequent specific actions to take IAW the Phase Manual, FWIC Instructional Texts, and TRICOM Manual 3-1. [Academic]

1.7.5.2.9.1.2.8.1.1 Given counteroffensive one versus one scenarios containing all pertinent data, correctly identify those scenario(s) where the high g roll underneath maneuver is appropriate. [Academic]

1.7.5.2.9.1.2.8.1.1.1 Correctly state the purpose of the high g underneath maneuver IAW the Phase Manual. [Academic]

1.7.5.2.9.1.2.8.1.2 IAW the Phase Manual, describe the steps in performing the high g roll underneath maneuver including all the important considerations and at least one offensive counter-maneuver. Describe these steps in correct order with no omissions [Academic]

1.7.5.2.9.1.2.9 Perform jinkout [Hands-on]

1.7.5.2.9.1.2.9.1 Given own position during a jinkout maneuver and attacker's actions and position, describe subsequent specific actions to take IAW the Phase Manual, FWIC Instructional texts, and TRICOM Manual 3-1. [Academic]

1.7.5.2.9.1.2.9.1.1 Given counteroffensive one versus one scenarios containing all pertinent data, correctly identify those scenario(s) where the jinkout maneuver is appropriate. [Academic]

1.7.5.2.9.1.2.9.1.1.1 Correctly state the purpose of the jinkout maneuver IAW the Phase Manual. [Academic]

1.7.5.2.9.1.2.9.1.2 IAW the Phase Manual, describe the steps in performing the jinkout maneuver including all important considerations and at least offensive counter maneuver. Describe these steps in correct order with no omissions. [Academic]

1.7.5.2.9.1.2.10 Given a diagram of the basic zone defense as presented in Fighter Weapons School texts, correctly explain all basic considerations and goals of the defender for each zone. [Academic]

1.7.5.2.9.1.2.11 Given an attacker's rear hemisphere position including in or out of IR missile range, in or out of gun range, nose on or off, and attacker's approximate overtake, state whether the defender must turn, extend, or may do either one. [Academic]

1.7.5.2.9.1.3 Given a tactical scenario describing bogey's aircraft type, ordnance, angle off, aspect, energy state, and probable intentions, select offensive and counteroffensive maneuvers IAW Phase Manual, Fighter Weapons School text and 3-1. [Academic]

1.7.5.2.9.1.3.1 Perform vertical scissors [Hands-on]

1.7.5.2.9.1.3.2 Perform horizontal scissors [Hands-on]

1.7.5.2.10 Employ combat energy management [Hands-on]

1.7.5.2.10.1 Given HUD display with energy management symbols present and a list of energy management related statements, correctly match statements to each display IAW T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.10.1.1 Define specific energy (Es) and specific power (Ps) IAW Fighter Weapons School texts. (E) [Academic]

1.7.5.2.10.2 Describe the basic maneuvering characteristics of the F-16 to include energy management and maneuvering energy. [Academic]

1.7.5.2.10.3 Given appropriate maneuver and difference diagrams, select areas of advantage, neutrality, and disadvantage. [Academic]

1.7.5.2.11 Employ weapons [Hands-on]

1.7.5.2.11.1 Perform missile attack [Hands-on]

1.7.5.2.11.1.1 Perform missile attack in AAM mode [Hands-on]

1.7.5.2.11.1.1.1 Perform missile attack in AAM mode with AIM-9J [Hands-on]

1.7.5.2.11.1.1.1.1 Given cues, describe the next specific action to take in performing missile attack in AAM mode with AIM-9J IAW current tactical doctrine and regulations. [Academic]

1.7.5.2.11.1.1.1.1.1 Describe the steps in the procedure for missile attack in AAM mode with AIM-9J in correct order with no omissions. [Academic]

1.7.5.2.11.1.1.1.1.1 State the switchology procedure for selecting, arming, and launching the AIM-9J missile in the AAM mode. [Academic]

1.7.5.2.11.1.1.1.1.2 Given a HUD presentation and an audio indication of an armed AIM-9J missile in the AAM mode, state whether or not missile launch parameters have been attained. [Academic]

1.7.5.2.11.1.1.1.1.2.1 Given a HUD presentation, state whether the AAM mode is selected and whether or not the AIM-9J missile is armed. [Academic]

1.7.5.2.11.1.1.1.1.2.2 Given a HUD presentation of the AIM-9J missile in the AAM mode, correctly identify all missile associated symbology and state the values represented IAW the Avionics Manual and T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.1.1.1.1.3 State the special considerations for employing the AIM-9J missile in the AAM mode IAW the Avionics Manual and T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.1.1.2 Perform missile attack in AAM mode with AIM-9L. [Hands-on]

1.7.5.2.11.1.1.2.1 Given cues, describe the next specific action to take in performing missile attack in AAM mode with AIM-9L IAW tech order procedures and current tactical doctrine and regulations. [Academic]

1.7.5.2.11.1.1.2.1.1 Describe the steps in the procedure for missile attack in AAM mode with AIM-9L in correct order with no omissions. [Academic]

1.7.5.2.11.1.1.2.1.1.1 State the switchology procedure for selecting, arming, and launching the AIM-9J missile in the AAM mode. [Academic]

1.7.5.2.11.1.1.2.1.1.2 Given a HUD presentation and an audio indication of an armed AIM-9L missile in the AAM mode, state whether or not missile launch parameters have been attained. [Academic]

1.7.5.2.11.1.1.2.1.1.2.1 Given a HUD presentation, state whether the AAM mode is selected and whether or not the AIM-9L missile is armed. [Academic]

1.7.5.2.11.1.1.2.1.1.2.2 Given a HUD presentation of the AIM-9L missile in the AAM mode, correctly identify all missile associated symbology and state the values represented IAW the Avionics Manual and T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.1.1.2.1.1.3 State the special considerations for employing the AIM-9L missile in the AAM mode IAW the Avionics Manual and T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.1.1.3 State the special considerations for performing missile attack in AIM mode without error. [Academic]

1.7.5.2.11.1.2 Perform missile attack in missile override/dogfight mode [Hands-on]

1.7.5.2.11.1.2.1 Perform missile attack in missile override/dogfight mode with AIM-9J [Hands-on]

1.7.5.2.11.1.2.1.1 Given cues, describe the next specific action to take in performing missile attack in missile override/dogfight mode with AIM-9J IAW current tactical doctrine, regulations, and tech order procedures. [Academic]

1.7.5.2.11.1.2.1.1.1 Describe the steps in the procedure for missile attack in missile override/dogfight mode with AIM-9J in correct order with no omissions. [Academic]

1.7.5.2.11.1.2.1.1.1.1 State the switchology procedure for selecting, arming, and launching the AIM-9J missile in the missile override/dogfight mode. [Academic]

1.7.5.2.11.1.2.1.1.1.2 State a HUD presentation and an audio indication of an armed AIM-9J missile in the missile override/dogfight mode, state whether or not missile launch parameters have been attained. [Academic]

1.7.5.2.11.1.2.1.1.1.2.1 Given a HUD presentation, state whether the missile override/dogfight mode is selected and whether or not the AIM-9J missile is armed. [Academic]

1.7.5.2.11.1.2.1.1.1.2.2 Given a HUD presentation of the AIM-9J missile on the missile override/dogfight mode, correctly identify the various components and state the values represented IAW the Avionics Manual and T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.1.2.1.1.1.3 State the special considerations for employing the AIM-9J missile in the missile override/dogfight mode IAW the Avionics Manual and T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.1.2.2 Perform missile attack in missile override/dogfight mode with AIM [Hands-on]

1.7.5.2.11.1.2.2.1 Given cues, describe the next specific action to take in performing missile attack in missile override/dogfight mode with AIM-9L IAW current tactical doctrine, regulations, and tech order procedures. [Academic]

1.7.5.2.11.1.2.2.1.1 Describe the steps in the procedure for missile attack in missile override/dogfight mode with AIM-9L in correct order with no omissions. [Academic]

1.7.5.2.11.1.2.2.1.1.1 State the switchology procedure for selecting, arming, and launching the AIM-9L missile in the missile override/dogfight mode. [Academic]

1.7.5.2.11.1.2.2.1.1.2 Given a HUD presentation and an audio indication of an armed AIM-9L missile in the missile override/dogfight mode, state whether or not missile launch parameters have been attained. [Academic]

1.7.5.2.11.1.2.2.1.1.2.1 Given a HUD presentation, state whether the missile override/dogfight mode is selected and whether or not the AIM-9L missile is armed. [Academic]

1.7.5.2.11.1.2.2.1.1.2.2 Given a HUD presentation of the AIM-9L missile in the missile override/dogfight mode, correctly identify all missile and gun associated symbology and state the values represented IAW the Avionics Manual and T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.1.2.2.1.1.3 State the special considerations for employing the AIM-9L missile in the missile override/dogfight mode IAW the Avionics Manual and T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.1.2.3 State the special considerations for performing missile attack in missile override/dogfight mode without error. [Academic]

1.7.5.2.11.1.2.4 Given a CFT or other suitable trainer, select on command missile override within 2 seconds without looking. [Academic]

1.7.5.2.11.1.3 Perform missile attack using manual reticle [Hands-on]

1.7.5.2.11.1.3.1 Perform missile attack with AIM-9J using manual reticle. [Hands-on]

1.7.5.2.11.1.3.1.1 Given cues, describe the next specific action to take in performing missile attack with AIM-9J using manual reticle IAW Phase Manual and T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.1.3.1.1.1 Describe the steps in the procedure for missile attack with AIM-9J using manual reticle in correct order with no omissions. [Academic]

1.7.5.2.11.1.3.1.1.1.1 State the switchology procedure for selecting, arming, and launching the AIM-9J missile in the missile mode using the manual reticle. [Academic]

1.7.5.2.11.1.3.1.1.1.2 Given a HUD presentation and an audio indication of an armed AIM-9J missile in the missile mode and a manual range wing span setting, state whether or not missile launch parameters have been attained using manual reticle. [Academic]

1.7.5.2.11.1.3.1.1.1.2.1 Given a HUD presentation, state whether the manual reticle mode is selected and whether or not the AIM-9J missile is armed. [Academic]

1.7.5.2.11.1.3.1.1.1.2.2 Given a HUD presentation of the AIM-9J in manual reticle mode, correctly identify the various components and state the values represented IAW the Avionics Manual and T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.1.3.1.1.1.3 State the special considerations for employing the AIM-9J missile in the manual reticle mode IAW the Avionics Manual and T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.1.3.2 Perform missile attack with AIM-9L using manual reticle [Hands-on]

1.7.5.2.11.1.3.2.1 Given cues, describe the next specific action to take in performing missile attack with AIM-9L using manual reticle IAW current doctrine and regulations. [Academic]

1.7.5.2.11.1.3.2.1.1 Describe the steps in the procedure for missile attack with AIM-9L using manual reticle in correct order with no omissions. [Academic]

1.7.5.2.11.1.3.2.1.1.1 State the switchology procedure for selecting, arming, and launching the AIM-9J missile using the manual reticle mode. [Academic]

1.7.5.2.11.1.3.2.1.1.2 Given a HUD presentation and an audio indication of an armed AIM-9L missile in the manual reticle mode, state whether or not missile launch parameters have been attained. [Academic]

1.7.5.2.11.1.3.2.1.1.2.1 Given a HUD presentation, state whether the manual reticle mode is selected and whether or not the AIM-9L missile is armed. [Academic]

1.7.5.2.11.1.3.2.1.1.2.2 Given a HUD presentation of the AIM-9L missile in the manual reticle mode, correctly identify missile associated symbology and state the value represented IAW the Avionics Manual and T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.1.3.2.1.1.3 State the special considerations for employing the AIM-9L missile in the manual reticle mode IAW the Avionics Manual and T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.1.3.3 State the special considerations for performing missile attack using manual reticle without error IAW the Avionics Manual and T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.1.4 Perform missile attack using HUD back-up. [Hands-on]

1.7.5.2.11.1.4.1 Perform missile attack with AIM-9J using HUD back-up. [Hands-on]

1.7.5.2.11.1.4.1.1 Given cues, describe the next specific action to take in performing missile attack with AIM-9J using HUD back-up IAW current doctrine and regulations. [Academic]

1.7.5.2.11.1.4.1.1.1 Describe the steps in the procedure for missile attack with AIM-9J using HUD back-up in correct order with no omissions. [Academic]

1.7.5.2.11.1.4.1.1.1.1 State the switchology procedure for selecting, arming, and launching the AIM-9J missile in the HUD back-up mode. [Academic]

1.7.5.2.11.1.4.1.1.1.2 Given a HUD presentation and an audio indication of an armed AIM-9J missile in the HUD back-up, determine if it is armed or selected. [Academic]

1.7.5.2.11.1.4.1.1.1.2.1 Given a HUD presentation, state whether the HUD back-up mode is selected and whether or not the AIM-9J missile is armed. [Academic]



1.7.5.2.11.1.4.1.1.1.2.2 Given an AIM-9J missile in the HUD presentation, determine if the back-up missile is armed. [Academic]

1.7.5.2.11.1.4.1.1.1.3 State the special considerations for employing the AIM-9J missile in the HUD back-up mode IAW the Avionics Manual and Dash 1. [Academic]

1.7.5.2.11.1.4.2 Perform missile attack with AIM-9L using HUD back-up. [Hands-on]

1.7.5.2.11.1.4.2.1 Given cues, describe the next specific action to take in performing missile attack with AIM-9L using HUD back-up IAW current doctrine and regulations. [Academic]

1.7.5.2.11.1.4.2.1.1 Describe the steps in the procedure for missile attack with AIM-9L using HUD back-up in correct order with no omissions. [Academic]

1.7.5.2.11.1.4.2.1.1.1 State the switchology procedure for selecting, arming, and launching the AIM-9L missile in the HUD back-up mode. [Academic]

1.7.5.2.11.1.4.2.1.1.2 Given a HUD presentation and an audio indication of an armed AIM-9J missile in the HUD back-up mode, state whether or not missile launch parameters have been attained. [Academic]

1.7.5.2.11.1.4.2.1.1.2.1 Given a HUD presentation, state whether the HUD back-up mode is selected and whether or not the AIM-9L missile is armed. [Academic]

1.7.5.2.11.1.4.2.1.1.2.2 Given a HUD presentation of the AIM-9L missile in the HUD back-up mode, correctly identify missile associated symbology and state the values represented IAW the Avionics Manual and T.O. 1F-16A-34-1. [Academic]

1.7.5.2.11.1.4.2.1.1.3 State the special considerations for employing the AIM-9L missile in the HUD back-up mode IAW the Avionics Manual and T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.1.4.3 State the special considerations for performing missile attack using HUD back-up without error. [Academic]

1.7.5.2.11.1.5 Name the varieties of missile attack and identify the situations without error where each may or should be employed. [Academic]

1.7.5.2.11.1.6 State the missile launch parameters for both AIM-9J and AIM-9L rules of thumb for range vs altitude and overtake, required separation from competing IR sources, for angle-off/aspect angle, and airspeed IAW T.O. 1F-16A-34-1-1-1. [Academic]

1.7.5.2.11.1.7 State the procedures for initial SMS and audio panel setup for both the AIM-9J and AIM-9L in correct order with no omissions or errors. [Academic]

1.7.5.2.11.1.8 Given a suitable hands-on trainer, actuate the missile launch button within 2 seconds of command. [Academic]

1.7.5.2.11.2 Perform gun attack [Hands-on]

1.7.5.2.11.2.1 Perform gun attack in LCOS mode. [Hands-on]

1.7.5.2.11.2.1.1 Given cues, describe the next specific action to take in performing gun attack in LCOS mode IAW current doctrine and regulations. [Academic]

1.7.5.2.11.2.1.1.1 Describe the steps in the procedure for gun attack in LCOS mode in correct order with no omissions. [Academic]

1.7.5.2.11.2.1.1.1.1 State the switchology procedure for selecting and arming the gun in the LCOS IAW T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.2.1.1.1.2 Given a HUD presentation of the gun armed in the LCOS mode, state whether or not gun firing parameters have been met. [Academic]

1.7.5.2.11.2.1.1.1.2.1 Given a HUD presentation, state whether the LCOS mode is selected and whether or not the gun is armed. [Academic]

1.7.5.2.11.2.2 Perform gun attack in snapshot mode [Hands-on]

1.7.5.2.11.2.2.1 Given cues, describe the next specific action to take in performing gun attack in snapshot mode IAW current doctrine and regulations. [Academic]

1.7.5.2.11.2.2.1.1 Describe the steps in the procedure for gun attack in snapshot mode in correct order with no omissions. [Academic]

1.7.5.2.11.2.2.1.1.1 State the switchology procedure for selecting and arming the gun in the snapshot mode IAW T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.2.2.1.1.2 Given a HUD presentation of the gun armed in the snapshot mode, state whether or not gun firing parameters have been met. [Academic]

1.7.5.2.11.2.2.1.1.2.1 Given a HUD presentation, state whether the snapshot mode is selected and whether or not the gun is armed. [Academic]

1.7.5.2.11.2.2.1.1.2.2 Given a HUD presentation of the gun selected in the snapshot mode, correctly identify missile and gun associated symbology of the display and state the values represented IAW T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.2.2.1.1.3 State the special considerations for employing the gun in the snapshot mode IAW the Avionics Manual and T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.2.3 Perform gun attack in dogfight mode. [Hands-on]

1.7.5.2.11.2.3.1 Given cues, describe the next specific action to take in performing gun attack in dogfight mode IAW current doctrine and regulations. [Academic]

1.7.5.2.11.2.3.1.1 Describe the steps in the procedure for gun attack in dogfight mode in correct order with no omissions. [Academic]

1.7.5.2.11.2.3.1.1.1 State the switchology procedure for selecting and arming the gun in the dogfight mode IAW T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.2.3.1.1.1.1 Given a suitable hands-on trainer, locate the dogfight/missile over switch and select dogfight mode within 2 seconds without looking. [Academic]

1.7.5.2.11.2.3.1.1.2 Given a HUD presentation of the gun armed in the dogfight mode, state whether or not gun firing parameters have been met. [Academic]

1.7.5.2.11.2.3.1.1.2.1 Given a HUD presentation, state whether the dogfight/snapshot mode is selected and whether or not the gun is armed. [Academic]

1.7.5.2.11.2.3.1.1.2.2 Given a HUD presentation of the gun selected in the dogfight mode, correctly identify missile and gun associated symbology and state the values represented IAW T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.2.3.1.1.3 State the special considerations for employing the gun in the dogfight mode IAW the Avionics Manual and T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.2.4 Perform gun attack using stadiametric ranging/manual reticle [Hands-on]

1.7.5.2.11.2.4.1 Given cues, describe the next specific action to take in performing gun attack using stadiametric ranging/manual reticle IAW current doctrine and regulations. [Academic]

1.7.5.2.11.2.4.1.1 Describe the steps in the procedure for gun attack using stadiametric ranging/manual reticle in correct order with no omissions. [Academic]

1.7.5.2.11.2.4.1.1.1 State the switchology procedure for selecting and arming the gun using manual/stadiametric ranging IAW the Avionics Manual and T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.2.4.1.1.1.1 Describe the condition(s) that will result in manual/stadiametric ranging availability in gun firing IAW T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.2.4.1.1.1.2 Given a suitable hands-on trainer, set a given target wingspan on control panel within ten feet within 15 seconds. [Academic]

1.7.5.2.11.2.4.1.1.1.3 Given a suitable hands-on trainer, locate and actuate the Manual Range in two seconds without looking. [Academic]

1.7.5.2.11.2.4.1.1.2 Given a HUD presentation of an armed gun manual/stadiametric ranging and wing span setting for the target, state whether or not gun firing parameters have been met. [Academic]

1.7.5.2.11.2.4.1.1.2.1 Given a HUD presentation of the gun selected and manual/stadiametric ranging being employed, correctly identify gun associated symbology and state the values represented IAW T.O. 1F-16A-34-1-1. [Academic]

1.7.5.2.11.2.4.1.1.2.1.1 Given a HUD presentation for gun firing using manual/stadiametric ranging and wing span setting, read the range displayed within 500 feet. [Academic]

1.7.5.2.11.2.4.1.1.3 State the special considerations for employing the gun using manual/stadiametric ranging IAW T.O 1F-16A-34-1-1. [Academic]

1.7.5.2.11.2.5 Perform gun attack using HUD back-up. [Hands-on]

1.7.5.2.11.2.5.1 Given cues, describe the next specific action to take in performing gun attack using HUD back-up IAW Phase Manual. [Academic]

1.7.5.2.11.2.5.1.1 Describe the steps in the procedure for gun attack using HUD back-up in correct order with no omissions. [Academic]

1.7.5.2.11.2.5.1.1.1 Describe the conditions that will result in the HUD back-up mode availability and the gun mode that will be used. [Academic]

1.7.5.2.11.2.6 Perform gun attack against nonmaneuvering target. [Hands-on]

1.7.5.2.11.2.7 Perform gun attack against dart (T) [Hands-on]

1.7.5.2.11.2.7.1 Describe the steps in the procedure for gun attack against dart (T) in correct order with no omissions. [Academic]

1.7.5.2.11.2.7.2 State the limiting performance parameters and parameter values for gun attack against dart (T) IAW current tactical doctrine and regulations and the Phase Manual. [Academic]

1.7.5.2.11.2.8 State the varieties of gun attack and identify the situations where each may or should be employed IAW current doctrine and regulations. [Academic]

1.7.5.2.11.2.9 Given a suitable hands-on trainer, find and activate the trigger to the second detent without looking and within 2 seconds. (E) [Academic]

1.7.5.2.12 Perform separation [Hands-on]

1.7.5.2.12.1 Plan separation [Hands-on]

1.7.5.2.12.1.1 Given a tactical scenario, describe the best separation maneuver IAW current tactical doctrine and regulations. [Academic]

1.7.5.2.12.2 Select separation maneuver [Hands-on]

1.7.5.2.12.2.1 Name the varieties of separation maneuvers and identify the situations where each may be employed with no omissions IAW current tactical doctrine and regulations and the Phase Manual. [Academic]

1.7.5.2.12.3 Perform separation maneuver [Hands-on]

1.7.5.2.12.3.1 Perform extension maneuver [Hands-on]

1.7.5.2.12.3.1.1 Given own position during an extension maneuver and attacker's actions and position, describe subsequent specific actions to take IAW the Phase Manual, FWIC Instructional Texts, and TRISCM Manual 3-1. [Academic]

1.7.5.2.12.3.1.1.1 Given counteroffensive one versus one scenarios containing all pertinent data, correctly identify those scenario(s) where the extension maneuver is appropriate. [Academic]

1.7.5.2.12.3.1.1.1.1 Correctly state the purpose of the extension maneuver IAW the Phase Manual. [Academic]

1.7.5.2.12.3.1.1.2 IAW the Phase Manual, describe the steps in performing the extension maneuver including all important considerations and at least one offensive maneuver. Describe these steps in correct order with no omissions. [Academic]

1.7.5.2.12.3.2 Perform high angle gun or missile separation maneuver. [Hands-on]

1.7.5.2.12.3.2.1 Given own position during a high angle gun or missile separation maneuver and attacker's actions and position, describe subsequent specific actions to take IAW the Phase Manual, FWIC Instructional Texts, and TRICOM Manual 3-1. [Academic]

1.7.5.2.12.3.2.1.1 Given counteroffensive one versus one scenarios containing all pertinent data, correctly identify those scenario(s) where the high angle gun or missile separation maneuver is appropriate. [Academic]

1.7.5.2.12.3.2.1.1.1 Correctly state the purpose of the high angle gun missile separation maneuver IAW the Phase Manual. [Academic]

1.7.5.2.12.3.2.1.2 IAW the Phase Manual, describe the steps in performing the high angle gun or missile separation maneuver including all important considerations and at least one offensive counter-maneuver in correct order with no omissions. [Academic]

1.7.5.2.12.3.3 Perform jinkout [Hands-on]

1.7.5.2.12.3.4 Perform a high G spiral. [Hands-on]

1.7.5.2.12.3.4.1 Given own position during a high g spiral maneuver and attacker's actions and position, describe subsequent specific actions to take IAW the Phase Manual, FWIC Instructional Texts, and TRICOM Manual 3-1. (D) [Academic]

1.7.5.2.12.3.4.1.1 Given counteroffensive one versus one scenarios containing all pertinent data, correctly identify those scenario(s) where the high g spiral maneuver is appropriate. (D) [Academic]

1.7.5.2.12.3.4.1.1.1 Correctly state the purpose of the high g spiral maneuver IAW the Phase Manual (D) [Academic]

1.7.5.2.12.3.4.1.2 IAW the Phase Manual describe the steps in performing the high g spiral maneuver including all important considerations and at least one offensive counter-maneuver. Describe these steps in correct order with no omissions. [Academic]

1.7.5.2.12.3.5 Describe the steps and special considerations in performing a given separation maneuver in correct order with no omissions. [Academic]

1.7.5.2.13 Perform tactical intercept in specialized situations. [Hands-on]

1.7.5.2.13.1 Perform tactical intercept using GCI/AWACS. [Hands-on]

1.7.5.2.13.1.1 Given cues, describe next specific action to take in performing tactical intercept using GCI/AWACS IAW current tactical doctrine and regulations. [Academic]

1.7.5.2.13.1.1.1 State the special considerations for tactical intercept using GCI/AWACS without error. [Academic]

1.7.5.2.13.2 Perform tactical intercept on a jamming target or with radar degraded (C) [Hands-on]

1.7.5.2.13.2.1 Given cues, describe next specific action to take in performing tactical intercept on a jamming target or with radar degraded IAW current tactical doctrine and regulations. [Academic]

1.7.5.2.13.2.1.1 State the special considerations for tactical intercept on a jamming target or with radar degraded without error. [Academic]

1.7.5.2.13.3 Perform tactical intercept on a high altitude target (C) [Hands-on]

1.7.5.2.13.4 Perform tactical intercept on low altitude target (C) [Hands-on]

1.7.5.2.13.5 Perform tactical intercept on an orbiting target. (C) [Hands-on]

1.7.5.2.13.5.1 Given cues, describe the next specific action to take in performing tactical intercept on an orbiting target IAW current tactical doctrine and regulations. [Academic]

1.7.5.2.13.5.1.1 State the special considerations for tactical intercept on an orbiting target without error. [Academic]

1.7.5.2.13.6 Perform tactical intercept in a comm jamming environment (C) [Hands-on]

1.7.5.2.13.6.1 Given cues, describe the next specific action to take in performing tactical intercept in comm jamming environment IAW current tactical doctrine and regulations. [Academic]

1.7.5.2.13.6.1.1 State the special considerations for tactical intercept in a comm jamming environment without error. [Academic]

1.7.5.2.13.7 Perform tactical intercept in a multibogey environment [Hands-on]

1.7.5.2.13.7.1 Given cues, describe the next specific action to take in performing tactical intercept in a multibogey environment IAW current tactical doctrine, FMOC texts and regulations. [Academic]

1.7.5.2.13.7.1.1 State the special considerations for tactical intercept in a multibogey environment without error. [Academic]

1.7.5.2.13.8 List formation, planning, and tactics for multibogey environment [Academic]

1.7.5.2.14 Perform air-to-air operations with visibility restricted [Hands-on]

1.7.5.2.14.1 Perform air-to-air operations at night (C) [Hands-on]

1.7.5.2.14.2 Perform air-to-air operations in weather (continuation training) [Hands-on]

1.7.5.2.14.3 State the special considerations for conducting air-to-air operations under conditions of restricted visibility IAW TRICOM Manual 3-1. [Academic]

1.7.5.3 Perform sweep [Hands-on]

1.7.5.3.1 Perform sweep with GCI/AWACS available [Hands-on]

1.7.5.3.1.1 Given cues, describe the next specific action to take in performing sweep with GCI/AWACS available [Academic]

1.7.5.3.1.1.1 Describe the steps in the procedure for sweep with GCI/AWACS available in correct order with no omissions. [Academic]

1.7.5.3.1.1.1.1 List the major planning factors for a Fighter Sweep Mission with GCI/AWACS available IAW TRICOM Manual 3-1, Fighter Weapons School texts, and current directives. [Academic]

1.7.5.3.2 Perform sweep with GCI/AWACS unavailable. [Hands-on]

1.7.5.3.2.1 Given cues, describe the next specific action to take in performing sweep with GCI/AWACS unavailable IAW current tactical doctrine, TWIC texts and regulations. [Academic]

1.7.5.3.2.1.1 Describe the steps in the procedure for sweep with GCI/AWACS unavailable in correct order with no omissions. [Academic]

1.7.5.3.2.1.1.1 List the major planning factors for a Fighter Sweep Mission with (unavailable IAW TRICOM Manual 3-1, Fighter Weapons School texts, and current directives. [Academic]

1.7.5.4 Perform combat air patrol (CAP) [Hands-on]

1.7.5.4.1 Perform roving CAP (C) [Hands-on]

1.7.5.4.1.1 Describe the procedure for roving CAP and name the considerations of most importance with no omissions IAW current doctrine and regulations. [Academic]

1.7.5.4.2 Perform collapsing CAP [Hands-on]

1.7.5.4.3 Perform point CAP (C) [Hands-on]

1.7.5.4.3.1 Perform point weave pattern [Hands-on]

1.7.5.4.3.2 Describe the procedure for point CAP and name the considerations of most importance with no omissions IAW current doctrine and regulations. [Academic]

1.7.5.4.4 Perform barrier CAP (BARCAP) (C) [Hands-on]

1.7.5.4.4.1 Perform triangular BARCAP pattern. (C) [Hands-on]

1.7.5.4.4.1.1 Describe the procedure for triangular BARCAP pattern and name the considerations of most importance with no omissions IAW current tactical doctrine, TWIC texts and regulations. [Academic]

1.7.5.4.4.2 Perform sawtooth BARCAP pattern (C) [Hands-on]

1.7.5.4.4.2.1 Describe the procedure for sawtooth BARCAP pattern and name the considerations of most importance with no omissions IAW current tactical doctrine, TWIC texts and regulations. [Academic]

1.7.5.4.4.3 Describe the procedure for Barrier CAP (BARCAP) and name the considerations of most importance with no omissions IAW current tactical doctrine and regulations. [Academic]

1.7.5.5 Perform air-to-air escort (C) [Hands-on]

1.7.5.5.1 Perform tactical strike force escort (C) [Hands-on]

1.7.5.5.1.1 State the special considerations for tactical strike force escort without error. [Academic]

1.7.5.5.2 Perform reconnaissance escort. (C) [Hands-on]

1.7.5.5.2.1 State the special considerations for reconnaissance escort without error. [Academic]

1.7.5.5.3 Perform bomber/airlift escort (C) [Hands-on]

1.7.5.5.3.1 State the special considerations for bomber/airlift escort without error. [Academic]

1.7.5.5.4 State the special considerations for air-to-air escort without error [Academic]

1.7.5.6 Perform air-to-air operations in degraded situations. [Hands-on]

1.7.5.7 Perform as target (T) [Hands-on]

1.7.6 Perform air-to-surface combat [Hands-on]

1.7.6.1 Perform air-to-surface tactical formations. [Hands-on]

1.7.6.1.1 Perform medium altitude (5,000-20,000 ft.) air-to-surface tactical formations [Hands-on]

1.7.6.1.1.1 Perform two-ship tactical trail formation. (TBD) [Hands-on]

1.7.6.1.1.1.1 Given tactical scenarios, select those for which tactical trail formation is appropriate IAW current doctrine and practices. [Academic]

1.7.6.1.1.1.2 Describe special considerations for two-ship tactical trail to include position, maintaining position, and lookout procedures without omissions. [Academic]

1.7.6.1.1.1.3 State the advantages and disadvantages of tactical trail formation when working with an FAC, under low visibility conditions, and setting up an attack maneuver without omissions. [Academic]

1.7.6.1.1.2 Perform three-ship tactical point formation (fluid three) [Hands-on]

1.7.6.1.1.2.1 Given a tactical scenario and a list of three-ship tactical formations, select the appropriate formation. [Academic]

1.7.6.1.1.3 Perform fluid four-ship formation [Hands-on]

1.7.6.1.1.3.1 Fly four-ship battle spread - straight ahead [Hands-on]

1.7.6.1.1.3.2 Perform four-ship battle spread turns [Hands-on]

1.7.6.1.1.3.2.1 Perform four-ship battle spread delayed 90 deg. turn [Hands-on]

1.7.6.1.1.3.2.2 Perform four-ship battle spread delayed 45 deg. turn [Hands-on]



1.7.6.1.1.3.2.3 Perform four-ship battle spread in-place turns [Hands-on]

1.7.6.1.1.3.3 Given a tactical scenario and a list of four-ship tactical formations, select the appropriate formation. [Academic]

1.7.6.1.1.4 Perform four-ship box formation [Hands-on]

1.7.6.1.1.4.1 Fly four-ship box formation - straight ahead [Hands-on]

1.7.6.1.1.4.2 Perform four-ship box turns [Hands-on]

1.7.6.1.1.4.2.1 Perform four-ship box delayed 90 deg. turn [Hands-on]

1.7.6.1.1.4.2.2 Perform four-ship box delayed 45 deg. turn [Hands-on]

1.7.6.1.1.4.2.3 Perform four-ship battle spread in-place turns [Hands-on]

1.7.6.1.2 Perform low altitude (300-500 ft) and very low altitude (100-300 ft) air-to-surface tactical formations. (C) [Hands-on]

1.7.6.1.2.1 Perform fluid two formation at low and very low altitude [Hands-on]

1.7.6.1.2.1.1 State the correct fore, aft and lateral position for flight members in a two formation at low altitude and describe methods for maintaining position IAW current practices and TACM 3-1. [Academic]

1.7.6.1.2.1.2 Describe visual cues/signals and procedures for comm out turns in a fluid two formation at low altitude IAW current practices and TACM 3-1. [Academic]

1.7.6.1.2.1.3 Given a plane view of the fluid two formation, describe specific areas of lookout responsibilities and identify areas of highest vulnerability without omissions or errors. [Academic]

1.7.6.1.2.2 Perform three-ship point formation [Hands-on]

1.7.6.1.2.2.1 State the correct fore, aft and lateral position for flight members in a three-ship point formation at low altitude and describe methods for maintaining position IAW current practices and TACM 3-1. (D) [Academic]

1.7.6.1.2.2.2 Describe visual cues/signals and procedures for comm out turns in a three point formation at low altitude IAW current practices and TACM 3-1. [Academic]

1.7.6.1.2.2.3 State the responsibilities of each flight member in a three-ship point formation at low altitude to include lookout, navigation, and communication IAW current doctrine and TACM 3-1. [Academic]

1.7.6.1.2.2.4 Given a plane view of the three-ship point formation, describe specific areas of lookout responsibilities and identify areas of highest vulnerability without omissions or errors. [Academic]

1.7.6.1.2.3 Perform four-ship point formation [Hands-on]

1.7.6.1.2.3.1 State the correct fore, aft and lateral position for flight members in a four-ship point formation at low altitude and describe methods for maintaining position IAW current practices and TACM 3-1. [Academic]

1.7.6.1.2.3.2 Describe visual cues/signals and procedures for comm out turns in a three-ship point formation at low altitude IAW current practices and TACH 3-1. [Academic]

1.7.6.1.2.3.3 State the responsibilities of each flight member in a three-ship point formation at low altitude to include lookout, navigation, and communication IAW current doctrine and TACH 3-1. [Academic]

1.7.6.1.2.3.4 Given a plane view of the four-ship point formation, describe specific areas of lookout responsibilities and identify areas of highest vulnerability without omissions or errors. [Academic]

1.7.6.1.2.4 Perform wedge formation [Hands-on]

1.7.6.1.2.4.1 State the correct fore, aft, and lateral position for flight members in a wedge formation at low altitude and describe methods for maintaining position IAW current practices and TACH 3-1. (D) [Academic]

1.7.6.1.2.4.2 Describe visual cues/signals and procedures for comm out turns in a wedge formation at low altitude IAW current practices and TACH 3-1. [Academic]

1.7.6.1.2.4.3 State the responsibilities of each flight member in a wedge formation at low altitude to include lookout, navigation, and communication IAW current doctrine and TACH 3-1. [Academic]

1.7.6.1.2.4.4 Given a plane view of the wedge formation, describe specific areas of lookout responsibilities and identify areas of highest vulnerability without omissions or errors. [Academic]

1.7.6.1.2.5 Perform offset box formation [Hands-on]

1.7.6.1.2.5.1 State the correct fore, aft and lateral position for flight members in a box/offset box formation at low altitude and describe methods for maintaining position IAW current practices and TACH 3-1. (D)

1.7.6.1.2.5.2 Describe visual cues/signals and procedures for comm out turns in a box/offset box formation at low altitude IAW current practices and TACH 3-1. [Academic]

1.7.6.1.2.5.2.1 Perform offset box delayed 45 deg. turn [Hands-on]

1.7.6.1.2.5.2.2 Perform offset box delayed 90 degree turn [Hands-on]

1.7.6.1.2.5.2.3 See academic objectives ref. two-ship fluid-two air-to-air turns. [Academic]

1.7.6.1.2.5.3 State the responsibilities of each flight member in a box/offset box formation at low altitude to include lookout, navigation, and communication IAW current doctrine and TACH 3-1. [Academic]

1.7.6.1.2.5.4 Given a plane view of the box/offset box formation, describe specific areas of lookout responsibilities and identify areas of highest vulnerability without omissions or errors. [Academic]

1.7.6.1.2.6 Given the varieties of low altitude (300-500 ft) and very low altitude (100-300 ft) air-to-surface tactical formations, identify the situations where each may or should be employed without error IAW current doctrine. [Academic]

1.7.6.1.2.7 Given a specific formation type, state considerations for flying in that formation at low and very low altitude, IAW T.M., with no omissions. Include reactions to ground and air threats, maintaining ground clearance, performing ve [Academic]

1.7.6.1.3 Perform strike force formations at medium/low altitude (flight lead) [Hands-on]

1.7.6.1.3.1 Perform box alpha formations [Hands-on]

1.7.6.1.3.2 Perform 16 ship plus escort formation [Hands-on]

1.7.6.1.3.3 Perform 20 ship plus escort formation [Hands-on]

1.7.6.1.3.4 Perform 24 ship plus escort formation [Hands-on]

1.7.6.2 Locate target [Hands-on]

1.7.6.2.1 Locate target with flight lead responsible [Academic]

1.7.6.2.1.1 Locate targets of opportunity (armed recce) [Hands-on]

1.7.6.2.1.1.1 Perform route recce [Hands-on]

1.7.6.2.1.1.1.1 Perform route recce formations [Hands-on]

1.7.6.2.1.1.1.1.1 Perform two-ship route recce parallel formation [Hands-on]

1.7.6.2.1.1.1.1.1.1 Describe the position of flight members in a two-ship parallel route recce formation and state the responsibilities of each to include defensive lookout IAW current practices and TACM 3-1. [Academic]

1.7.6.2.1.1.1.1.1.2 Describe techniques for maneuvering to attack targets of opportunity from a two-ship parallel route recce formation including cautions and limitations, and describe procedures for returning to formation after the attack IAW TACM 3-1. [Academic]

1.7.6.2.1.1.1.1.2 Perform two-ship route recce crossing formation [Hands-on]

1.7.6.2.1.1.1.1.2.1 Describe the position of flight members in a two-ship crossing route recce formation and state the responsibilities of each to include defensive lookout IAW current practices and TACM 3-1. [Academic]

1.7.6.2.1.1.1.1.2.2 Describe techniques for maneuvering to attack targets of opportunity from a two-ship crossing route recce formation including cautions and limitations, and describe procedures for returning to the formation after the attack IAW TACM 3-1. [Academic]

1.7.6.2.1.1.1.1.3 Perform four-ship route recce crossing formation [Hands-on]

1.7.6.2.1.1.1.1.3.1 Describe the position of flight members in a four-ship crossing route recce formation and state the responsibilities of each to include defensive lookout IAW current practices and TACM 3-1. [Academic]

1.7.6.2.1.1.1.1.3.2 Describe techniques for maneuvering to attack targets of opportunity from a four-ship crossing route recce formation including cautions and limitations, and describe procedures for

- 1.7.6.2.1.1.1.4 Perform high threat armed recce (sector attack) formation [Hands-on]
- 1.7.6.2.1.1.1.5 Perform three-ship parallel route recce formation at medium altitude [Hands-on]
- 1.7.6.2.1.1.1.6 Perform four-ship parallel route recce formation [Hands-on]
- 1.7.6.2.1.1.2 Perform defensive lookout during route recce [Hands-on]
- 1.7.6.2.1.1.3 Acquire target during route recce [Hands-on]
- 1.7.6.2.1.1.4 Describe the procedure for route recce and name the considerations of most importance without error from TWIC texts, the Phase Manual, FWIC texts, and the Training Manual IAW current doctrine and TACH 3-1. [Academic]
  - 1.7.6.2.1.1.4.1 Describe the major considerations for communicating target data to other flight member(s) [Academic]
- 1.7.6.2.1.1.5 Given photographs of LDCs in various terrain types, identify the LDC in three out of five cases and designate routes allowing avoidance of inspection of assigned points. [Academic]
- 1.7.6.2.1.2 Perform area search [Hands-on]
  - 1.7.6.2.1.2.1 State specific considerations including CB for responding to change area assignment while airborne IAW CD/P. [Academic]
  - 1.7.6.2.1.2.2 Describe procedure for locating and attacking targets of opportunity in small specified areas (kill zones) IAW current doctrine/practices [Academic]
  - 1.7.6.2.1.2.3 Describe procedure and search patterns for locating targets of opportunity in large designated areas IAW CD/P. [Academic]
- 1.7.6.2.1.2 Locate known target (preplanned/immediate) [Hands-on]
  - 1.7.6.2.1.2.1 Locate known target using radar [Hands-on]
    - 1.7.6.2.1.2.1.1 Locate known target using radar under normal conditions. [Hands-on]
      - 1.7.6.2.1.2.1.1.1 Describe the procedure for locating a known target using radar under normal conditions without error. [Academic]
      - 1.7.6.2.1.2.1.1.2 Given a map and a photograph of or drawing of radar returns of a target area compare and identify those returns which indicate specified preplanned air-to-surface targets, correctly at least 4 of 5 times. [Academic]
    - 1.7.6.2.1.2.1.2 Locate known target using radar with jamming/radar degraded [Hands-on]
      - 1.7.6.2.1.2.1.2.1 State the considerations for operating the radar in ground map modes in a jamming/radar degraded environment with no emissions IAW TACH 3-1. [Academic]
      - 1.7.6.2.1.2.1.2.2 Describe the effects of jamming on the radar in ground map modes without error IAW the Phase Manual and TACH 3-1. [Academic]

1.7.6.2.1.2.2 Locate known target visually [Hands-on]

1.7.6.2.1.2.2.1 Locate known target visually using nav references [Hands-on]

1.7.6.2.1.2.2.2 Locate known target visually using ground references [Hands-on]

1.7.6.2.1.2.2.2.1 Describe the major factors involved in premission planning such as photos, sketches, sun angle, attack heading, and target physical characteristics to aid in visual target acquisition. [Academic]

1.7.6.2.1.2.2.3 State considerations from the Phase Manual for locating known targets visually without omissions. [Academic]

1.7.6.2.1.2.3 Locate known target using computed navigation [Hands-on]

1.7.6.2.1.2.3.1 State the considerations from the Phase Manual for locating known targets using computed navigation with no omissions. [Academic]

1.7.6.2.1.2.3.2 Derive weapon delivery profile data, such as pop-up point, from computed navigation data. [Academic]

1.7.6.2.2 Locate target using external agencies [Hands-on]

1.7.6.2.2.1 Locate target using TISL (C) [Hands-on]

1.7.6.2.2.1.1 List specific considerations for using TISL to locate target including appropriate weapons delivery modes IAW current practices and TACH 3-1. [Academic]

1.7.6.2.2.1.2 Describe the procedure for TISL set up and employment without error. [Academic]

1.7.6.2.2.1.3 Given appropriate displays interpret HUD TISL symbology without error (system--weapons) [Academic]

1.7.6.2.2.2 Locate target using beacon (C) [Hands-on]

1.7.6.2.2.2.1 Locate beacon using radar (C) [Hands-on]

1.7.6.2.2.2.1.1 State special considerations for acquiring a beacon return to include terrain masking, range, and effects of low altitude. [Academic]

1.7.6.2.2.2.2 Positively identify beacon (C) [Hands-on]

1.7.6.2.2.2.2.1 Given an RED beacon presentation, correctly identify the beacon code displayed 100 percent of the time. [Academic]

1.7.6.2.2.2.3 Describe the procedure for locating target using radar beacon mode without error [Academic]

1.7.6.2.2.2.4 Given appropriate displays, interpret HUD and radar beacon symbology without error. [Academic]

1.7.6.2.2.2.5 List specific considerations for using beacon to locate target including appropriate weapons delivery modes IAW current practices and TACH 3-1. [Academic]

1.7.6.2.2.2.6 Describe the information format/method of communication employed by ground agency to relay beacon IAW current practices and TACH 3-1. [Academic]

1.7.6.2.2.7 Given a suitable hands-on trainer, accomplish preflight set-up of beacon within 2 minutes and airborne mode selection within 20 seconds IAW Dash 34 checklist. [Academic]

1.7.6.2.2.3 Locate target using ASRT (C) [Hands-on]

1.7.6.2.2.3.1 Locate target using ASRT with tone (C) [Hands-on]

1.7.6.2.2.3.1.1 Given recordings of various ASRT tones, describe your appropriate reactions without error. [Academic]

1.7.6.2.2.3.2 Locate target using ASRT with voice. [Hands-on]

1.7.6.2.2.3.3 Locate target using ASRT with TACAN (C) [Hands-on]

1.7.6.2.2.3.4 State the considerations from the Phase Manual for coordinating with ASRT without error. [Academic]

1.7.6.2.2.4 Locate target using SCAR aircraft (C) [Hands-on]

1.7.6.2.2.4.1 Determine coordination procedures with SCAR aircraft from TACM 3-1. (C) [Academic]

1.7.6.2.2.4.1.1 Describe the information format/method of communication employed by SCAR IAW current practices and TACM 3-1. [Academic]

1.7.6.2.2.4.2 Fly formation off SCAR aircraft (C) [Hands-on]

1.7.6.2.2.4.3 Determine target from directions given by SCAR aircraft (C) [Academic]

1.7.6.2.2.4.4 State the considerations from the Phase Manual for working with SCAR aircraft to locate targets with no omissions. [Academic]

1.7.6.2.2.4.5 Describe the method(s) of target identification employed by SCAR IAW current practices and TACM 3-1. [Academic]

1.7.6.2.2.5 Locate target using FAC/FIST [Hands-on]

1.7.6.2.2.5.1 Identify target from FAC/FIST description [Hands-on]

1.7.6.2.2.5.1.1 Describe the method(s) of target identification employed by FAC/FIST IAW current practices and TACM 3-1. [Academic]

1.7.6.2.2.5.1.2 Describe the information format/method of communication employed by FAC/FIST IAW current practices and TACM 3-1. [Academic]

1.7.6.2.2.5.2 Identify friendly positions (T.I.C.) [Hands-on]

1.7.6.2.2.5.2.1 Describe the methods used to identify friendly positions, including procedures used when communications have been compromised, without omission or error. [Academic]

1.7.6.2.2.5.2.2 Given a specific weapon type, state the special considerations for employing specific type weapons in proximity to friendly ground forces. [Academic]

1.7.6.2.2.5.3 Update attack profile [Hands-on]

1.7.6.2.2.5.3.1 Describe various methods used by controllers to adjust weapon aim points between flight members, including distance and direction reference methods, without omission or error. [Academic]

1.7.6.2.2.5.4 State the considerations from the Phase Manual for locating target using FAC/FIST including special considerations with no omissions. [Academic]

1.7.6.2.2.6 Locate target in hunter-killer operation [Hands-on]

1.7.6.2.2.6.1 Fly formation with wild weasel aircraft [Hands-on]

1.7.6.2.2.6.2 Identify target in hunter-killer operations [Hands-on]

1.7.6.2.2.6.2.1 Describe the method(s) of target identification employed by hunter-killer IAW current practices and TACH 3-1. [Academic]

1.7.6.2.2.6.2.2 Describe the information format/method of communication employed by hunter/killer IAW current practices and TACH 3-1. [Academic]

1.7.6.2.2.6.3 Describe the considerations from the Phase Manual for coordinating with wild weasel aircraft during hunter-killer operations without omission or error. [Academic]

1.7.6.2.2.7 Locate target using convoy commander's directions.(D) [Hands-on]

1.7.6.2.2.7.1 Describe the method(s) of target identification employed by ground convoy commander IAW current practices and TACH 3-1. [Academic]

1.7.6.2.2.7.2 Describe the information format/method of communication employed by ground convoy commander IAW current practices and TACH 3-1. [Academic]

1.7.6.2.2.7.3 State the considerations from the Phase Manual for coordinating with convoy commander for locating targets with no omissions. [Academic]

1.7.6.2.2.8 Given a list of target location methods using external agencies, state the role of each and identify the situations where each may or should be employed without error. [Academic]

1.7.6.2.3 Detect target anomalies. [Hands-on]

1.7.6.2.3.1 Detect camouflaged targets. [Hands-on]

1.7.6.2.3.2 Detect mock targets. (C) [Hands-on]

1.7.6.2.3.3 Detect decoy targets (C) [Hands-on]

1.7.6.2.3.4 State the effect of camouflage and decoy targets on target acquisition. [Academic]

1.7.6.3 Perform attack maneuver [Hands-on]

1.7.6.3.1 Perform tactical attack from medium altitude [Hands-on]

1.7.6.3.1.1 Perform tactical attack from medium altitude using cloverleaf attack pattern (C) [Hands-on]

1.7.6.3.1.1.1 Describe the procedure for cloverleaf attack pattern including any special considerations (radio calls, restrictions, etc.) without error. [Academic]

1.7.6.3.1.1.2 Given a tactical scenario, identify whether a cloverleaf attack pattern is appropriate in accordance with training manual and/or IP judgement. [Academic]

1.7.6.3.1.2 Perform tactical attack from medium altitude using standard box pattern (restricted run-in heading) [Hands-on]

1.7.6.3.1.2.1 Describe the procedure for standard box pattern (restricted run-in heading) including any special considerations (radio calls, restrictions, etc.) without error. [Academic]

1.7.6.3.1.2.2 Given a tactical scenario identify whether a standard box pattern (restricted run-in heading) is appropriate in accordance with training manual and/or IP judgement. [Academic]

1.7.6.3.1.3 Perform tactical attack from medium altitude using opposing-box pattern (restricted run-in heading) [Hands-on]

1.7.6.3.1.4 Perform tactical attack from medium altitude using reciprocal attack pattern [Hands-on]

1.7.6.3.1.5 Perform tactical attack from medium altitude using circular attack pattern [Hands-on]

1.7.6.3.1.6 Perform tactical attack from medium altitude using floating wheel attack pattern. [Hands-on]

1.7.6.3.1.6.1 Describe the procedure for floating wheel attack pattern including any special considerations (radio calls, restrictions, etc.) without error. [Academic]

1.7.6.3.1.6.2 Given a tactical scenario, identify whether a floating wheel attack pattern is appropriate in accordance with training manual and or IP judgement. [Academic]

1.7.6.3.1.7 Perform tactical attack from medium altitude using figure eight attack pattern (D) [Hands-on]

1.7.6.3.1.8 Perform tactical attack from medium altitude using noncurvilinear box pattern (E) [Hands-on]

1.7.6.3.1.8.1 Describe the procedure for noncurvilinear box pattern (E) including any special considerations (radio calls, restrictions, etc.) without error. [Academic]

1.7.6.3.1.9 Given a list of medium altitude attack patterns and a tactical scenario, identify pattern(s) appropriate to that scenario without error. [Academic]

1.7.6.3.2 Perform pop-up attack [Hands-on]

1.7.6.3.2.1 Perform single-ship pop-up attack (E) [Hands-on]

1.7.6.3.2.1.1 Perform direct pop-up attack [Hands-on]

1.7.6.3.2.1.1.1 Describe the procedure for direct pop-up attack including any special considerations (radio calls, restrictions, etc.) without error. [Academic]

1.7.6.3.2.1.1.2 Given a tactical scenario, identify whether a direct pop-up attack is appropriate in accordance with training manual and /or IP judgement. [Academic]

1.7.6.3.2.1.2 Perform angle off pop-up attack [Hands-on]



1.7.6.3.2.1.2.1 Perform cruise climb attack (T) [Hands-on]

1.7.6.3.2.1.2.2 Describe the procedure for an angle off pop-up attack including any special considerations (radio calls, restrictions, etc.) without error. [Academic]

1.7.6.3.2.1.2.3 Given a tactical scenario, identify whether an angle off pop-up attack is appropriate in accordance with training manual and/or IP judgement. [Academic]

1.7.6.3.2.1.3 Perform indirect pop-up attack [Hands-on]

1.7.6.3.2.1.3.1 Describe the procedure for an indirect pop-up attack including any special considerations (radio calls, restrictions, etc.) without error. [Academic]

1.7.6.3.2.1.3.2 Given a tactical scenario, identify whether indirect pop-up attack is appropriate, in accordance with training manual and/or IP judgement. [Academic]

1.7.6.3.2.1.4 State the rules of thumb for deriving parameters for specific types of pop-ups (dive angle, climb angle, angle off, etc.) IAW current practices. [Academic]

1.7.6.3.2.2 Perform multiple pop-up attack [Hands-on]

1.7.6.3.2.2.1 Perform maximum spacing pop-up attack [Hands-on]

1.7.6.3.2.2.1.1 State the considerations for performing maximum spacing pop-up attacks, IAW TACM 3-1. [Academic]

1.7.6.3.2.2.2 Perform minimum spacing pop-up attack [Hands-on]

1.7.6.3.2.2.3 Perform split attack [Hands-on]

1.7.6.3.2.2.3.1 Describe the procedure for a split attack including any special considerations (radio calls, restrictions, etc.) without error. [Academic]

1.7.6.3.2.2.3.2 Given a tactical scenario, identify whether a split attack is appropriate, in accordance with training manual and/or IP judgement. [Academic]

1.7.6.3.2.2.4 State the considerations for performing a pop-up attack with more than one aircraft IAW current practices. [Academic]

1.7.6.3.2.3 Given a tactical scenario, identify the type of pop-up attack (indirect, direct, angle off) including specific advantages and disadvantages appropriate to that scenario without error. [Academic]

1.7.6.3.2.3.1 State the considerations for performing minimum spacing pop-up attacks, including tactical advantages, coordination between flight members, and cockpit cues for initiating the pop-up IAW TACM 3-1. [Academic]

1.7.6.3.3 Perform loft/LARD type attack [Hands-on]

1.7.6.3.3.1 Perform over-the-shoulder attack (O) [Hands-on]

1.7.6.3.3.1.1 Given a suitable hands-on trainer, correctly perform an over-the-shoulder delivery IAW current practices. (H) [Hands-on]

1.7.6.3.3.2 Perform toss attack [Hands-on]

1.7.6.3.3.2.1 Describe the procedure for toss attack including any special considerations (radio calls, restrictions, etc.) without error. [Academic]

1.7.6.3.3.2.1.1 Given a suitable hands-on trainer, correctly perform a toss delivery IAW current practices. [Academic]

1.7.6.3.3.2.1.1.1 Given a list of low level type attacks and a tactical scenario, identify the type(s) appropriate to that scenario without error. [Academic]

1.7.6.3.3.2.2 Given a tactical scenario, identify whether a toss attack is appropriate IAW training manual and /or IP judgement. [Academic]

1.7.6.3.3.3 Perform loft attack [Hands-on]

1.7.6.3.3.3.1 Given a suitable hands-on trainer, correctly perform a loft delivery IAW current practices. [Academic]

1.7.6.3.3.4 Perform LADD attack [Hands-on]

1.7.6.3.3.4.1 Describe the procedure for a LADD attack including any special considerations (radio calls, restrictions, etc.) without error. [Academic]

1.7.6.3.3.4.1.1 Given a suitable hands-on trainer, correctly perform a LADD delivery IAW current practices. [Academic]

1.7.6.3.3.4.2 Given a tactical scenario, identify whether a LADD attack is appropriate in accordance with training manual and /or IP judgement [Academic]

1.7.6.3.4 Perform level/laydown attack [Hands-on]

1.7.6.3.4.1 Describe the procedure for level/laydown attack including any special considerations (radio calls, restrictions, etc.) without error. [Academic]

1.7.6.3.4.1.1 Given a suitable hands-on trainer, correctly perform a level/laydown delivery IAW current practices. [Academic]

1.7.6.3.4.2 Given a tactical scenario, identify whether a level/laydown attack is appropriate in accordance with training manual and/or IP judgement. [Academic]

1.7.6.3.4.2.1 Given the varieties of attack maneuver (medium altitude TOSS, pop-up, loft/LADD, level/laydown, coordinated), identify the situations where each may or should be employed without error. [Academic]

1.7.6.3.5 Perform coordinated attack with other aircraft/flights [Hands-on]

1.7.6.3.5.1 Perform sequential attack [Hands-on]

1.7.6.3.5.1.1 State the considerations for performing a sequential attack with no omissions. [Academic]

1.7.6.3.5.1.2 Describe and state the purpose of a sequential attack and describe a tactical scenario in which a sequential attack is appropriate IAW Phase Manual, TRICOM Manual 3-1, and/or IP judgement. [Academic]

1.7.6.3.5.1.3 Given a tactical scenario, select attack maneuver(s) appropriate to given target and threat data IAW current practices. [Academic]

1.7.6.3.5.2 Perform offset trail attack [Hands-on]

1.7.6.3.5.2.1 Describe a tactical scenario in which an offset trail attack would be considered effective and appropriate IAW TRICOM Manual 3-1 and current doctrine. [Academic]

1.7.6.3.5.2.2 Describe the procedure for performing an offset trail attack in correct order without error. [Academic]

1.7.6.3.5.2.3 State the responsibilities of each flight member in an offset trail attack without omission or error. [Academic]

1.7.6.3.5.3 Perform weided wing attack [Hands-on]

1.7.6.3.5.4 Perform random attack [Hands-on]

1.7.6.3.5.4.1 Describe a tactical scenario in which a random attack would be considered effective and appropriate IAW TRICOM Manual 3-1 and current doctrine. [Academic]

1.7.6.3.5.4.2 Describe the procedure for performing a random attack without error. [Academic]

1.7.6.3.5.4.3 State the responsibilities of each flight member in a random attack without error. [Academic]

1.7.6.3.5.5 State the considerations for performing coordinated attack with other aircraft/fi with no omissions. [Academic]

1.7.6.3.5.6 State the purposes, advantages, and unique planning factors of the various coordinated attack formations listed in the Phase Manual and TRICOM Manual 3-1 without omission or error. [Academic]

1.7.6.3.6 Perform coordinated attack with artillery/naval gunfire [Hands-on]

1.7.6.3.6.1 Perform coordinated fire support -- adjacent targets-lateral separation [Hands-on]

1.7.6.3.6.2 Perform coordinated fire support on the same target-altitude separation (low angle fire) [Hands-on]

1.7.6.3.6.3 Perform coordinated fire support on the same target-timed separation (high angle fire) [Hands-on]

1.7.6.3.6.4 Perform coordinated fire support on adjacent targets-altitude and lateral separation (high angle fire) [Hands-on]

1.7.6.4 Deliver ordnance (SW--avionics, weapons) [Hands-on]

1.7.6.4.1 Deliver ordnance visually [Hands-on]

1.7.6.4.1.1 Deliver ordnance using electro-optical system (EO) [Hands-on]

1.7.6.4.1.1.1 Deliver Maverick using EO system (EO) [Hands-on]

1.7.6.4.1.1.1.1 Describe the procedure, HUD/RED symbology, and special considerations for delivering Maverick using the EO system without error. [Academic]

1.7.6.4.1.1.1.2 Given working representations of the necessary avionics equipment panels, correctly configure and operate switches in correct order for delivering Maverick using the EO system. [Academic]

1.7.6.4.1.1.2 Perform HOBG using EO system (C) [Hands-on]

1.7.6.4.1.1.2.1 Describe the procedure, HUD/REG symbology, and special considerations for delivering HOBG using the EO system without error. [Academic]

1.7.6.4.1.1.2.2 Given working representations of the necessary avionics equipment panels, correctly configure and operate switches for delivering HOBG using the EO system. [Academic]

1.7.6.4.1.1.3 Deliver ordnance using Pave Penny EO system (C) [Hands-on]

1.7.6.4.1.1.3.1 Describe the procedure, HUD/REG symbology, and special considerations for delivering ordnance using the Pave Penny EO system without error. [Academic]

1.7.6.4.1.1.3.2 Given working representations of the necessary avionics equipment panels, correctly configure and operate switches for delivering ordnance using the Pave Penny EO system. [Academic]

1.7.6.4.1.2 Deliver ordnance using computed systems (C) [Hands-on]

1.7.6.4.1.2.1 Deliver ordnance using CCIP mode (C) [Hands-on]

1.7.6.4.1.2.1.1 Deliver free-fall munitions using CCIP mode (C) [Hands-on]

1.7.6.4.1.2.1.1.1 Perform low drag attack using CCIP mode [Hands-on]

1.7.6.4.1.2.1.1.2 Perform high drag attack using CCIP mode [Hands-on]

1.7.6.4.1.2.1.1.3 Describe the procedure, HUD/REG symbology, and special considerations for delivering free-fall munitions using CCIP mode without error. [Academic]

1.7.6.4.1.2.1.1.4 Given working representations of the necessary avionics equipment panels, correctly configure and operate switches for delivering free-fall munitions using CCIP mode. [Academic]

1.7.6.4.1.2.1.1.5 State the limiting performance parameters and parameter values for free-fall munitions using CCIP mode without error. [Academic]

1.7.6.4.1.2.1.1.6 Describe differences in the procedure/switchology for CCIP delivery mode with nuclear ordnance without error. [Academic]

1.7.6.4.1.2.1.2 Deliver rockets using CCIP mode (C) [Hands-on]

1.7.6.4.1.2.1.2.1 Describe the procedure, HUD/REG symbology, and special considerations for delivering rockets using CCIP mode without error. [Academic]

1.7.6.4.1.2.1.2.2 Given working representations of the necessary avionics equipment panels, correctly configure and operate switches for delivering rockets using CCIP mode. [Academic]

1.7.6.4.1.2.1.3 Strafe using CCIP mode [Hands-on]

1.7.6.4.1.2.1.3.1 Describe the procedure, HUD/REG symbology, and special considerations for CCIP strafe without error. [Academic]

1.7.6.4.1.2.1.3.2 Given working representations of the necessary avionics equipment panels, correctly configure and operate the switches for CCIP strike without error. [Academic]

1.7.6.4.1.2.2 Deliver ordnance using VIP mode [Hands-on]

1.7.6.4.1.2.2.1 Describe the procedure, HUD/RED symbology, and special considerations for delivering ordnance using the VIP mode without error. [Academic]

1.7.6.4.1.2.2.2 Given working representations of the necessary avionics equipment panels, correctly configure and operate the switches for delivering ordnance using the VIP mode without error. [Academic]

1.7.6.4.1.2.3 Deliver ordnance using VLAD mode [Hands-on]

1.7.6.4.1.2.3.1 Describe the procedure, HUD/RED symbology, and special considerations for delivering ordnance using VLAD mode without error. [Academic]

1.7.6.4.1.2.3.2 Given working representations of the necessary avionics equipment panels, correctly configure and operate the switches for delivering ordnance using VLAD mode. [Academic]

1.7.6.4.1.2.3.3 Describe differences in the procedure/switchology for delivering ordnance using VLAD mode with nuclear ordnance without error. [Academic]

1.7.6.4.1.2.4 Deliver ordnance using DTOS mode [Hands-on]

1.7.6.4.1.2.4.1 Perform high altitude dive bomb attack/DTOS mode [Hands-on]

1.7.6.4.1.2.4.2 Perform dive-bomb attack using DTOS mode [Hands-on]

1.7.6.4.1.2.4.3 Perform low drag attack in DTOS mode [Hands-on]

1.7.6.4.1.2.4.4 Describe the procedure, HUD/RED symbology, and special considerations for delivering ordnance using DTOS mode without error. [Hands-on]

1.7.6.4.1.2.4.5 Given working representations of the necessary avionics equipment panels, correctly configure the switches for delivering ordnance using DTOS mode. [Hands-on]

1.7.6.4.1.2.4.6 State the limiting performance parameters and parameter values for delivering ordnance using DTOS mode. [Hands-on]

1.7.6.4.1.3 Deliver ordnance manually [Hands-on]

1.7.6.4.1.3.1 Deliver free-fall munitions manually. [Hands-on]

1.7.6.4.1.3.1.1 Deliver free-fall munitions manually using toss delivery [Hands-on]

1.7.6.4.1.3.1.2 Deliver free-fall munitions manually using LABD delivery. [Hands-on]

1.7.6.4.1.3.1.2.1 Deliver nuclear munitions manually using LABD delivery [Hands-on]

1.7.6.4.1.3.1.2.1.1 Describe the procedure for delivering nuclear munitions manually using LABD attack maneuver without error. [Academic]

1.7.6.4.1.3.1.2.1.2 Describe the procedure for delivering free-fall munitions manually using LASSO attack maneuver, without error. [Academic]

1.7.6.4.1.3.1.3 Deliver free-fall munitions manually using level delivery (VLD) [Hands-on]

1.7.6.4.1.3.1.3.1 Describe the procedure for delivering free-fall munitions manually using level attack maneuver (VLD) without error. [Academic]

1.7.6.4.1.3.1.3.2 Describe procedure for delivering nuclear munitions manually using a level attack maneuver (VLD) without error. [Academic]

1.7.6.4.1.3.1.4 Deliver free-fall munitions manually using dive deliveries [Hands-on]

1.7.6.4.1.3.1.4.1 Describe the procedure for delivering free-fall munitions manually using dive deliveries without error. [Academic]

1.7.6.4.1.3.1.4.2 Describe the rules of thumb for adjusting release altitude for dive angle, airspeed, etc IAW Phase Manual. [Academic]

1.7.6.4.1.3.1.5 Given working representations of the necessary avionics equipment panels, correctly configure the switches for delivering free-fall munitions manually. [Hands-on]

1.7.6.4.1.3.2 Deliver rockets manually (C) [Hands-on]

1.7.6.4.1.3.2.1 Describe the procedure and special considerations for delivering rockets manually without error. [Academic]

1.7.6.4.1.3.2.2 Given working representations of the necessary avionics equipment panels, correctly configure the switches for delivering rockets manually. [Academic]

1.7.6.4.1.3.3 Strafe using manual pipper [Hands-on]

1.7.6.4.1.3.3.1 Describe the procedure and special considerations for strafing using manual pipper without error. [Academic]

1.7.6.4.1.3.3.2 Given working representations of the necessary avionics equipment panels, correctly configure the switches for strafing using manual pipper. [Academic]

1.7.6.4.1.3.4 Deliver flares manually. [Hands-on]

1.7.6.4.1.3.4.1 Describe the procedure for delivering flares manually without error. [Academic]

1.7.6.4.1.3.4.2 Given working representations of the necessary avionics equipment panels correctly configure the switches for delivering flares manually. [Academic]

1.7.6.4.2 Deliver ordnance using radar [Hands-on]

1.7.6.4.2.1 Deliver ordnance using CCRP mode. [Hands-on]

1.7.6.4.2.1.1 Deliver ordnance using CCRP mode from GAP [Hands-on]

1.7.6.4.2.1.2 Describe the procedure and HUD/RES symbology for delivering ordnance using CCRP mode without error. [Hands-on]

1.7.6.4.2.1.3 Given working representations of the necessary avionics equipment panels, correctly configure the switches for delivering ordnance using CCRP mode. [Hands-on]

1.7.6.4.2.1.4 State the limiting performance parameters and parameter values for ordnance using CCRP mode. [Hands-on]

1.7.6.4.2.1.5 Describe differences in the procedure/switchology for using CCRP delivery mode with nuclear ordnance without error. [Hands-on]

1.7.6.4.2.2 Deliver ordnance using RLADD mode [Hands-on]

1.7.6.4.2.2.1 Deliver ordnance using LADD mode from OAP [Hands-on]

1.7.6.4.2.2.2 Describe the procedure and HUD/RED symbology for delivering ordnance using LADD mode without error. [Hands-on]

1.7.6.4.2.2.3 Given working representations of the necessary avionics equipment panels, correctly configure the switches for delivering ordnance using RLADD mode. [Hands-on]

1.7.6.4.2.2.4 State the limiting performance parameters and parameter values for ordnance using RLADD mode without error. [Hands-on]

1.7.6.4.2.2.5 Describe differences in the procedure/switchology for using RLADD deliver mode with nuclear ordnance without error. [Hands-on]

1.7.6.4.2.3 Deliver ordnance using Beacon mode. [Hands-on]

1.7.6.4.2.3.1 Describe the procedure and HUD/RED symbology for delivering ordnance using Beacon mode without error. [Academic]

1.7.6.4.2.3.2 Given working representations of the necessary avionics equipment panels, correctly configure the switches for delivering ordnance using Beacon mode. [Academic]

1.7.6.4.2.3.3 State the limiting performance parameters and parameter values for ordnance using Beacon mode. [Academic]

1.7.6.5 Perform recovery/escape maneuver [Hands-on]

1.7.6.5.1 Perform recovery/escape maneuver following toss delivery (for attitude recovery) [Hands-on]

1.7.6.5.1.1 Describe the procedure and special considerations for performing recovery/escape maneuver following toss delivery (for attitude recovery) without error. [Academic]

1.7.6.5.2 Perform recovery/escape maneuver following LADD delivery (for safe escape) [Hands-on]

1.7.6.5.2.1 Describe the procedure and special considerations for performing recovery/escape maneuver following LADD delivery (for safe escape) without error. [Academic]

1.7.6.5.3 Perform recovery/escape maneuver following level delivery [Hands-on]

1.7.6.5.3.1 Perform recovery/escape maneuver straight ahead following level delivery [Hands-on]

1.7.6.5.3.1.1 Describe the procedure and special considerations for performing recovery/escape maneuver straight ahead following level delivery without error. [Academic]

1.7.6.5.3.2 Perform recovery/escape maneuver following level delivery using pull off for frag clearance [Hands-on]

1.7.6.5.3.2.1 Describe the procedure and special considerations for performing recovery/escape maneuver following level delivery using pull off for frag clearance without error. [Academic]

1.7.6.5.4 Perform recovery/escape maneuver following dive delivery [Hands-on]

1.7.6.5.4.1 Perform recovery/escape maneuver following dive delivery using pull off for ground clearance. [Hands-on]

1.7.6.5.4.1.1 Describe the procedure and special considerations for performing recovery/escape maneuver following dive delivery using pull off for ground clearance without error. [Academic]

1.7.6.5.4.2 Perform recovery/escape maneuver following dive delivery, using pull off for frag clearance [Hands-on]

1.7.6.5.4.2.1 Describe the procedure and special considerations for performing recovery/escape maneuver following dive delivery using pull off for frag clearance without error. [Academic]

1.7.6.6 Perform bomb damage assessment [Hands-on]

1.7.6.6.1 Describe special considerations for performing bomb damage assessment with and without F/ current practices. [Academic]

1.7.6.7 Perform reattack. [Hands-on]

1.7.6.7.1 Perform delivery error analysis [Hands-on]

1.7.6.7.1.1 Perform manual delivery error analysis [Hands-on]

1.7.6.7.1.1.1 List factors affecting manual delivery accuracy and describe the method of compensating for errors IAW Training Manual. [Academic]

1.7.6.7.1.2 Perform computed delivery error analysis [Hands-on]

1.7.6.7.1.2.1 Describe the method for performing computed delivery error analysis without error. [Academic]

1.7.6.7.1.2.1.1 State the sources of error and their effect during computed leap delivery with no omissions. [Academic]

1.7.6.7.1.2.2 Given initial aim point and impact error data following a computed delivery, state the proper aiming correction for the next pass. [Academic]

1.7.6.7.2 Perform repositioning maneuvers [Hands-on]

1.7.6.7.2.1 Describe factors and special considerations affecting positioning for reattack, IAW accepted practices. [Academic]

1.7.6.7.3 State the major considerations governing the decision to reattack with no omissions. [Hands-on]

1.7.6.8 Perform air-to-surface combat in specialized situations [Hands-on]

1.7.6.8.1 Perform air-to-surface combat with restricted visibility [Hands-on]



1.7.6.8.1.1 Perform air-to-surface combat at night. [Hands-on]

1.7.6.8.1.1.1 Perform air-to-surface combat at night with flares [Hands-on]

1.7.6.8.1.1.1.1 Describe methods used for locating a target at night using computer navigation for initial flare release, IAW the Training Manual. [Academic]

1.7.6.8.1.1.2 Perform air-to-surface combat at night without flares (with ground illumination) [Hands-on]

1.7.6.8.1.1.3 State the special considerations for performing air-to-surface combat at night (with and without flares) with no omissions. [Hands-on]

1.7.6.8.1.2 Perform air-to-surface combat in weather (C) [Hands-on]

1.7.6.8.1.2.1 State the special considerations for performing air-to-surface combat in weather with no omissions. [Academic]

1.7.6.8.1.3 State the special considerations with no omissions for performing air-to-surface combat with restricted visibility. [Hands-on]

1.7.6.8.2 Adjust attack for specific targets [Hands-on]

1.7.6.8.2.1 Perform airfield attack (simulated) [Hands-on]

1.7.6.8.2.1.1 Perform airfield attack against main operating base (simulated) [Hands-on]

1.7.6.8.2.1.2 Perform airfield attack against forward or dispersal operating base. [Hands-on]

1.7.6.8.2.2 Perform attack on ships at sea (C). [Hands-on]

1.7.6.8.2.3 Perform attack against enemy EW/CCI/Tactical Air Control System (TACS) sites (C) [Hands-on]

1.7.6.8.2.4 Perform attack against other specific surface targets [Hands-on]

1.7.6.8.2.5 Describe general conditions for attacking airfields including attack parameters vs weapons impact for breaking IAW TACM 3-1. [Academic]

1.7.6.8.2.6 Describe general considerations for attacking ships at sea including use of specialized radar modes IAW TACM 3-1 and dash 34. [Academic]

1.7.6.8.2.7 Describe special considerations for attacking EW/CCI sites IAW TACM 3-1. [Academic]

1.7.6.8.3 Compensate for ground situation/rules of engagement. [Hands-on]

1.7.6.8.3.1 State the special considerations for compensating for ground situation/rules of engagement with no omissions. [Academic]

1.7.6.8.4 Compensate for type of ordnance (e.g., near friendly forces) [Hands-on]

1.7.6.8.4.1 State the special considerations for compensating for type of ordnance (e.g., near friendly forces) with no omissions. [Academic]

1.7.6.8.5 Compensate for heavyweight condition. [Hands-on]

1.7.6.6.5.1 State the special considerations for compensating for heavyweight condition with no omissions. [Academic]

1.7.6.9 Perform range procedures (T) [Hands-on]

1.7.6.9.1 Perform manned range procedures (T) [Hands-on]

1.7.6.9.1.1 Perform manned range patterns (T) [Hands-on]

1.7.6.9.1.1.1 Describe the procedure and mandatory radio call for performing manned range patterns without error. [Academic]

1.7.6.9.1.2 Perform radar/nuke patterns [Hands-on]

1.7.6.9.1.3 Perform pop-up pattern [Hands-on]

1.7.6.9.2 Perform unmanned range procedures (T) [Hands-on]

1.7.6.9.2.1 Perform unmanned range clearing procedures (T) [Hands-on]

1.7.6.9.2.1.1 Describe the procedure for performing unmanned range entry and clearing without error IAW local procedures. [Academic]

1.7.6.9.3 Perform abnormal/emergency range procedures (T) [Hands-on]

1.7.6.9.3.1 Perform range radio failure procedures (T) [Hands-on]

1.7.6.9.3.1.1 State the procedure for radio failure on the range with no omissions IAW local procedures. [Academic]

1.7.6.9.3.2 Perform range inadvertent release procedures (T) [Hands-on]

1.7.6.9.3.2.1 State the procedure for inadvertent release on and off the range with no omissions IAW local procedures. [Academic]

1.7.6.9.3.3 State the coordinating procedures for emergencies in the range, IAW local procedures. [Academic]

1.7.7 Perform egress [Hands-on]

1.7.7.1 Regain mutual support/rejoin [Hands-on]

1.7.7.1.1 State the considerations for regaining mutual support/rejoin with no omissions. [Academic]

1.7.7.2 Perform post strike Ops check [Hands-on]

1.7.7.2.1 Describe the procedure for performing post strike Ops check without error. [Academic]

1.7.7.3 Perform battle damage check [Hands-on]

1.7.7.3.1 Describe the procedure for performing battle damage check without error. [Academic]

1.7.7.4 Perform range departure (T) [Hands-on]

1.7.7.4.1 Perform manned range departure (T) [Hands-on]

- 1.7.7.4.1.1 Describe the procedure for performing manned range departure without error. [Academic]
- 1.7.7.4.2 Perform unmanned range departure (T) [Hands-on]
  - 1.7.7.4.2.1 Describe the procedure for performing unmanned range departure without error. [Academic]
- 1.7.7.5 State the special considerations for egress with no omissions. [Hands-on]
- 1.7.9 Respond to threat [Hands-on]
  - 1.7.8.1 Respond to immediate threat [Hands-on]
    - 1.7.8.1.1 Identify threat [Hands-on]
      - 1.7.8.1.1.1 Locate threat [Hands-on]
        - 1.7.8.1.1.1.1 Interpret RWR [Hands-on]
          - 1.7.8.1.1.1.1.1 Given a photograph or drawing of the RWR scope and accompanying audio tones, interpret scope presentations and identify threats without error. [Academic]
          - 1.7.8.1.1.1.2 Perform visual search for threat [Hands-on]
            - 1.7.8.1.1.1.2.1 Describe the procedure for performing visual search for threat with error. [Academic]
          - 1.7.8.1.1.1.3 Perform radar search for threat [Hands-on]
        - 1.7.8.1.1.2 Identify AAA [Hands-on]
          - 1.7.8.1.1.2.1 Name the varieties of AAA threat with no omissions. [Academic]
          - 1.7.8.1.1.2.2 Describe the visual and RWR indications of each AAA threat [Academic]
          - 1.7.8.1.1.2.3 State the operating parameters and characteristics of each AAA threat correctly. [Academic]
        - 1.7.8.1.1.3 Identify SAMs [Hands-on]
          - 1.7.8.1.1.3.1 Name the varieties of SAMs with no omissions. [Academic]
          - 1.7.8.1.1.3.2 Describe the visual and RWR indications of all SAMs correctly. [Academic]
          - 1.7.8.1.1.3.3 State the operating parameters and characteristics of each SAM with no omissions. [Academic]
          - 1.7.8.1.1.3.4 State the special considerations for operating in a SAM environment with no omissions. [Academic]
        - 1.7.8.1.1.4 Identify air-to-air threats [Hands-on]
          - 1.7.8.1.1.4.1 Identify enemy aircraft [Hands-on]
            - 1.7.8.1.1.4.1.1 Given a photograph or drawing of a Warsaw-pact military aircraft in any aspect, correctly identify the aircraft and state its operating capabilities, armaments, and RWR indications. [Academic]

1.7.8.1.1.4.1.2 Given a photograph or drawing of a friendly military aircraft in any aspect, correctly identify the aircraft and state its operating capabilities, armaments and RWR indications. [Academic]

1.7.8.1.1.4.1.3 Given a photograph or drawing of a Chinese military aircraft in any aspect, correctly identify the aircraft and state its operating capabilities, armaments and RWR indications. [Academic]

1.7.8.1.1.4.2 Identify air-to-air missiles [Hands-on]

1.7.8.1.1.4.2.1 Name the varieties of Soviet air-to-air missiles and the aircraft on which each is employed with no omissions. [Academic]

1.7.8.1.1.4.2.2 Correctly describe the operating limits and capabilities of each Soviet air-to-air missile. [Academic]

1.7.8.1.1.5 Given visual, radar, RWR, and/or audio indications of a threat, identify the threat correctly. [Hands-on]

1.7.8.1.2 Respond to threat [Hands-on]

1.7.8.1.2.1 Respond to AAA [Hands-on]

1.7.8.1.2.1.1 Perform AAA evasive maneuver (jink) [Hands-on]

1.7.8.1.2.1.1.1 State the considerations for performing AAA evasive maneuver (jink) without error. [Academic]

1.7.8.1.2.1.2 Perform AAA counteroffensive maneuver [Hands-on]

1.7.8.1.2.1.2.1 State the major considerations for performing AAA counteroffensive maneuvers, without error. [Academic]

1.7.8.1.2.1.3 State the special considerations for responding to AAA without error. [Academic]

1.7.8.1.2.2 Respond to SAM [Hands-on]

1.7.8.1.2.2.1 Perform SAM evasive maneuver [Hands-on]

1.7.8.1.2.2.1.1 State the special considerations for maneuvering in response to a specific SAM launch with no omissions. [Academic]

1.7.8.1.2.2.2 Dispense chaff/flares against SAM threat [Hands-on]

1.7.8.1.2.2.2.1 Describe the procedure for dispensing chaff/flares against SAM threats without error. [Academic]

1.7.8.1.2.3 Respond to air-to-air threat [Hands-on]

1.7.8.1.2.3.1 Dispense chaff/flares against air-to-air threat [Hands-on]

1.7.8.1.2.3.1.1 Describe the procedure for dispensing chaff/flares against air-to-air threats without error. [Academic]

1.7.8.1.2.3.2 Perform air-to-air combat [Hands-on]

1.7.8.1.2.4 Jettison ordnance/stores [Hands-on]

1.7.8.1.2.4.1 Describe the steps in the procedures for selecting and emergency jettisoning of ordnance/stores without error. [Academic]

1.7.8.1.2.4.2 Given a scenario, identify whether or not jettisoning is required and, if so, which type is appropriate without error. [Academic]

1.7.8.1.2.5 Employ ECM [Hands-on]

1.7.8.1.2.5.1 TBD CRO BEHAVIOR STATES: Employ ECM [Academic]

1.7.8.1.2.6 Respond to battle damage [Hands-on]

1.7.8.1.2.6.1 State the major considerations for responding to battle damage with no omissions. [Academic]

1.7.8.2 Respond to potential threat [Hands-on]

1.7.8.2.1 Respond to potential AAA threat [Hands-on]

1.7.8.2.2 Respond to potential SAM threat [Hands-on]

1.7.8.2.3 Respond to potential air-to-air threat [Hands-on]

1.7.8.2.4 Respond to combined potential threats. [Hands-on]

1.7.8.2.5 Use jammer support (yours and others') [Hands-on]

1.7.8.2.5.1 State the special considerations for using jammer support (yours and others') with no omissions. [Academic]

1.7.8.3 Systems workbook--penetration aids. [Hands-on]

1.7.8.3.1 Describe the penetration aids in the F-16A and F-16B aircraft. [Hands-on]

1.7.8.3.2 List with no omissions and describe without error the components and/or functions of the penetration aids, including as appropriate the sequence and modes of internal and external operation. [Hands-on]

1.7.8.3.3 Given a photograph or drawing of the aircraft cockpit, locate and describe the function and manipulation of each control that directly affects the penetration aids without error. [Hands-on]

1.7.8.3.4 Given a photograph or drawing of the aircraft cockpit, locate and describe the interpretation of each indicator that monitors the penetration aids without error. [Hands-on]

1.7.8.3.5 State the possible modes of penetration aids degradation, and describe their causes and consequences without error. [Hands-on]

1.7.8.3.6 List with no omissions and describe without error any features of the penetration aids in the F-16B that differ or are in addition to those in the F-16A. [Hands-on]

1.7.9 Coordinate with search and rescue (SAR) effort [Hands-on]

1.7.9.1 State the special considerations for coordinating with search and rescue (SAR) effort with no omissions. [Academic]

1.7.10 Perform tactical communications [Hands-on]

1.7.10.1 Perform tactical communications with controlling agency [Hands-on]

1.7.10.1.1 Perform tactical communications with GCI/AWACS. [Hands-on]

1.7.10.1.1.1 Given radio calls from GCI/AWACS, correctly interpret and verbally respond. [Academic]

1.7.10.1.2 Perform tactical communications with FAC/FIST (including FAC/FIST consent) [Hands-on]

1.7.10.1.2.1 Describe the proper formats for communications with FAC/FIST (including high and low threat). [Academic]

1.7.10.1.2.2 Given a FAC/FIST high threat briefing, interpret information correctly. [Academic]

1.7.10.1.3 Perform tactical communications with ASRT/skyspot (C) [Hands-on]

1.7.10.1.3.1 Describe the proper formats for communications with ASRT/skyspot. [Academic]

1.7.10.2 Respond to comm jamming [Hands-on]

1.7.10.2.1 State the special considerations for responding to comm jamming with no omissions. [Academic]

1.7.10.3 Communicate using secure voice (C) [Hands-on]

1.7.10.3.1 Describe the procedure for communicating using secure voice without error. [Academic]

1.7.10.4 Perform authentication procedures [Hands-on]

1.7.10.4.1 Describe the procedures for authentication without error. [Academic]

1.7.10.4.2 Given necessary equipment, correctly authenticate a communication. [Academic]

1.7.10.5 Perform descriptive and directive commentary [Hands-on]

1.7.10.5.1 Describe the procedures for descriptive and directive commentary without error. [Academic]

1.7.10.6 Perform flight coordination [Hands-on]

1.7.10.6.1 Perform visual flight coordination (comm out) [Hands-on]

1.7.10.6.1.1 Given a description of a signal used during visual flight coordination, correctly interpret the signal [Academic]

1.7.10.6.2 Perform radio flight coordination [Hands-on]

1.7.10.6.2.1 Given an air-to-air radio call, correctly interpret the call. [Academic]

1.7.10.7 Accomplish inflight reports (C) [Hands-on]

1.7.10.7.1 Accomplish flight report (C) [Hands-on]

1.7.10.7.1.1 Describe the content, syntax, and use of the flight report correctly. [Academic]

1.7.10.7.2 Accomplish spot report (C) [Hands-on]

1.7.10.7.2.1 Describe the content, syntax, and use of the spot report correctly. [Academic]

1.7.10.8 Perform normal range radio procedures (T) [Hands-on]

1.7.10.8.1 Describe the communications to be made on the range and state the syntax of each call correctly. [Academic]

1.7.11 Identify and respond to weapons systems malfunctions [Hands-on]

1.7.11.1 Identify and respond to avionics malfunctions [Hands-on]

1.7.11.1.1 Given indications occurring during avionics malfunctions, identify the specific problem and state the correct response without error. [Academic]

1.7.11.1.2 Given an avionics malfunction, describe its effects on your mission without error. [Academic]

1.7.11.2 Identify and respond to ordnance failure to release [Hands-on]

1.7.11.2.1 Given indications occurring during ordnance failure to release, identify the specific problem and state the correct response without error. [Academic]

1.7.11.2.2 Given ordnance failure to release, describe its effects on your mission without error. [Academic]

1.7.11.3 Given indications occurring during weapons systems malfunctions, identify the specific problem and state the correct response, without error. [Hands-on]

1.7.11.4 Given a weapons system malfunction, describe its effects on your mission without error. [Hands-on]

1.7 COMBAT  
CRITERION-REFERENCED OBJECTIVES

Tasks Without CROs

1.7.1.1.1  
1.7.1.2.1 to 1.7.1.2.1.2  
1.7.2.14  
1.7.2.15  
1.7.1.4  
1.7.2.5  
1.7.2.6  
1.7.3.1  
1.7.3.2  
1.7.3.3  
1.7.3.4  
1.7.3.5  
1.7.4.1  
1.7.4.2.1  
1.7.4.2.2  
1.7.4.3  
1.7.4.4  
1.7.4.5  
1.7.5.1  
1.7.5.1.1  
1.7.5.1.1.2  
1.7.5.1.3  
1.7.5.1.3.2  
1.7.5.1.2.2.2  
1.7.5.1.6  
1.7.5.2  
1.7.5.2.1  
1.7.5.2.2.1  
1.7.5.2.2.2 to 1.7.5.2.2.2.3  
1.7.5.2.2.4  
1.7.5.2.3  
1.7.5.2.4.1  
1.7.5.2.4.3  
1.7.5.2.4.4  
1.7.5.2.5  
1.7.5.2.5  
1.7.5.2.5.1.1  
1.7.5.2.5.1.2  
1.7.5.2.5.1.3  
1.7.5.2.5.2  
1.7.5.2.5.2.1  
1.7.5.2.5.2.2  
1.7.5.2.5.2.1.1  
1.7.5.2.5.2.1.2  
1.7.5.2.5.2.1.3  
1.7.5.2.5.2.2.1  
1.7.5.2.5.2.2.2



Tasks Without CROs (cont.)

1.7.5.2.5.2.2.3  
1.7.5.2.5.2.3.1  
1.7.5.2.5.2.3.2  
1.7.5.2.5.2.3  
1.7.5.2.6  
1.7.5.2.7  
1.7.5.2.7.1  
1.7.5.2.7.2  
1.7.5.2.7.4  
1.7.5.2.8  
1.7.5.2.8.1  
1.7.5.2.8.2  
1.7.5.2.8.2.1  
1.7.5.2.8.2.2  
1.7.5.2.8.2.3  
1.7.5.2.9  
1.7.5.2.9.1  
1.7.5.2.9.2  
1.7.5.1.9.2.4  
1.7.5.2.9.2.11  
1.7.5.2.9.2.12  
1.7.5.2.10  
1.7.5.2.11.1.3.2  
1.7.5.2.11.1.4.1  
1.7.5.2.11.1.4.2  
1.7.5.2.11.2.2  
1.7.5.2.11.2.3  
1.7.5.2.11.2.5  
1.7.5.2.11.2.6  
1.7.5.5.2.11.2.7  
1.7.5.2.12  
1.7.5.2.12.1  
1.7.5.2.12.3  
1.7.5.2.12.3.1  
1.7.5.2.12.3.3  
1.7.5.2.13  
1.7.5.2.13.2  
1.7.5.2.13.3  
1.7.5.2.13.4  
1.7.5.2.13.6  
1.7.5.2.13.7  
1.7.5.2.13.8  
1.7.5.3  
1.7.5.3.1  
1.7.5.3.2  
1.7.5.4 to 1.7.5.4.4.2

Tasks Without CROs (cont.)

1.7.5.5 to 1.7.5.5.2  
1.7.5.6  
1.7.6.1  
1.7.6.1.1  
1.7.6.1.1.4  
1.7.6.1.1.4.2  
1.7.6.1.1.5  
1.7.6.1.1.5.2  
1.7.6.1.1.6  
1.7.6.1.1.6.2  
1.7.6.1.2  
1.7.6.1.2.5  
1.7.5.6.2  
1.7.6.1.1.1 to 1.7.6.1.1.3  
1.7.6.1.1.4.1  
1.7.6.1.1.4.2.1  
1.7.6.1.1.4.2.2  
1.7.6.1.1.4.2.3  
1.7.6.1.1.5.1  
1.7.6.1.1.5.2.1  
1.7.6.1.1.5.2.2 to 1.7.6.3.1.2.2.1  
1.7.6.2  
1.7.6.3  
1.7.6.3.1  
1.7.6.3.1  
1.7.6.3.1.1.1  
1.7.6.3.1.1.1.1  
1.7.6.3.1.2  
1.7.6.3.1.2.2  
1.7.6.3.2  
1.7.6.3.2.2  
1.7.6.3.1.2.3  
1.7.6.3.2.2.2 to 1.7.6.3.2.4.3  
1.7.6.3.2.2  
1.7.6.3.2.3  
1.7.6.3.2.4  
1.7.6.3.2.5  
1.7.6.3.2.6  
1.7.6.3.3  
1.7.6.3.2.5.3 to 1.7.6.4.1.8  
1.7.6.4  
1.7.6.4.1  
1.7.6.4.2  
1.7.6.4.2.1  
1.7.6.4.2.2  
1.7.6.4.3  
1.7.6.4.5  
1.7.6.4.5.1  
1.7.6.4.5.1.1  
1.7.6.4.5.1.1.1  
1.7.6.4.5.1.2  
1.7.6.4.5.2

Tasks Without CROs (cont.)

1.7.6.4.3.2 to 1.7.6.4.5.2.4  
1.7.6.5 to 1.7.6.5.1.3.4  
1.7.6.6  
1.7.6.6.1  
1.7.6.6.3  
1.7.6.6.4  
1.7.6.8  
1.7.6.8.1  
1.7.6.8.2  
1.7.6.9 to 1.7.6.9.2.3  
1.7.6.9.3  
1.7.6.9.5 to 1.7.6.10.3.2  
1.7.7.4 to 1.7.8.1.1  
1.7.8.1.1.2 to 1.7.8.1.1.4.2  
1.7.8.1.2 to 1.7.8.1.2.3  
1.7.8.1.2.1.2  
1.7.8.1.2.3.1  
1.7.8.1.2.3.2  
1.7.8.2 to 1.7.8.2.5  
1.7.10.1 to 1.7.10.1.3  
1.7.10.1  
1.7.10.6  
1.7.10.7  
1.7.10.8 to 1.7.11.2

**TASK NO.:** 1.7.1

**BEHAVIOR:** Respond to receipt of target data while airborne

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.2

**BEHAVIOR:** Perform fence checks

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.2.1

**BEHAVIOR:** Perform pre-strike Ops checks (E)

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform fence checks

**External environment:** N/A

**Aids:** Wing weapons guide "Fence Check"

**Product of previous task:** None

**Initiation cues:** On crossing fence

**Systems presenting cues:** N/A

---

**STANDARD:**

**Authority:** -1, Phase Manuals, IP judgment

**Performance precision:** Accurately IAW aid "Fence Check"

**Computational accuracy:** N/A

**TASK NO.:** 1.7.2.2

**BEHAVIOR:** Arm conventional ordnance and verify on SCP

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** -34 checklist

**Information source for:** Procedures

**Activity:** Perform fence checks

**External environment:** N/A

**Aids:** Wing weapons guide - "Fence Check"

**Product of previous task:** None

**Initiation cues:** Following prestrike Ops checks

**Systems presenting cues:** SCP

---

**STANDARD:**

**Authority:** -34

**Performance precision:** Accurately IAW -34 procedures

**Computational accuracy:** N/A

**TASK NO.:** 1.7.2.3

**BEHAVIOR:** Pre-arm nuclear ordnance

---

**CONDITION:**

**Agency:** Ops

**Information source for:** Directives

**Manuals and pubs:** -25 checklist

**Information source for:** Procedures

**Activity:** Perform fence checks

**External environment:** N/A

**Aids:** Wing weapons guide "Fence Check"

**Product of previous task:** None

**Initiation cues:** When authorized/directed

**Systems presenting cues:** N/A

---

**STANDARD:**

**Authority:** -25

**Performance precision:** Accurately IAW procedures/directives

**Computational accuracy:** N/A



TASK NO.: 1.7.2.4

BEHAVIOR: Reset exterior lighting

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Perform fence checks

External environment: Night or restricted visibility

Aids: Wing weapons guide - "Fence Checks"

Product of previous task: None

Initiation cues: On completing of arming/prearm (NUC)

Systems presenting cues: N/A

---

STANDARD:

Authority: -1 for switch operation, IP judgment or flight lead direction

Performance precision: Switches set according to direction

Computational accuracy: N/A

TASK NO.: 1.7.2.5

BEHAVIOR: Set up RWR for combat

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -34 checklist

Information source for: Procedures

Activity: Perform fence checks

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Upon completion of "Reset exterior lighting"

Systems presenting cues: None

---

STANDARD:

Authority: -34

Performance precision: Accurately IAW procedures in -34

Computational accuracy:

**TASK NO.:** 1.7.2.6

**BEHAVIOR:** Set up videotape recorder (VTR)

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform fence checks

**External environment:** N/A

**Aids:** None

**Product of previous task:** None

**Initiation cues:** When RWR set up complete

**Systems presenting cues:** N/A

---

**STANDARD:**

**Authority:** -34

**Performance precision:** Accurately IAW procedures

**Computational accuracy:** N/A

**TASK NO.:** 1.7.2.7

**BEHAVIOR:** Arm chaff/flare dispensing

---

**CONDITION:**

**Agency:** Ops

**Information source for:** Dispenser Programmer settings

**Manuals and pubs:** -34 checklist

**Information source for:** Procedures

**Activity:** Perform fence checks

**External environment:** N/A

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Fence check

**Systems presenting cues:** N/A

---

**STANDARD:**

**Authority:** -34

**Performance precision:** Accurately IAW procedures to give arm indications within 30 seconds

**Computational accuracy:** N/A

**TASK NO.:** 1.7.2.8

**BEHAVIOR:** Arm training ordnance and verify on SCP (T)

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform fence checks

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.2.9

**BEHAVIOR:** Check seat survival kit selector

---

**CONDITION:**

**Agency:**

**Information source for:**

**Manuals and pubs:**

**Information source for:**

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

**Systems presenting cues:**

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.2.10

**BEHAVIOR:** Perform AIM 9 missile set up

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.2.11

**BEHAVIOR:** Set up radar

---

**CONDITION:**

**Agency:**

**Information source for:**

**Manuals and pubs:**

**Information source for:**

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

**Systems presenting cues:**

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**



**TASK NO.:** 1.7.2.12

**BEHAVIOR:** Turn on tank inerting

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.2.13

**BEHAVIOR:** Set up selective jettison

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.3

**BEHAVIOR:** Rendezvous with support aircraft/assignment

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.4

**BEHAVIOR:** Perform ingress

---

**CONDITION:**

**Agency:**

**Information source for:**

**Manuals and pubs:**

**Information source for:**

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

**Systems presenting cues:**

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.4.2

**BEHAVIOR:** Perform low altitude ingress

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform ingress

**External environment:** Day/VMC

**Aids:** Map

**Product of previous task:**

**Initiation cues:** Fence check; below 500 FT

**Systems presenting cues:** INS, HUD

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

TASK NO.: 1.7.4.3

BEHAVIOR: Arrive on target at predetermined TOT

---

CONDITION:

Agency: NONE

Information source for: N/A

Manuals and pubs: SA Phase Manual

Information source for: Procedures

Activity: Perform ingress

External environment: N/A

Aids: MAP

Product of previous task: N/A

Initiation cues: N/A

Systems presenting cues: N/A

---

STANDARD:

Authority: TACR 60-2

Performance precision:  $\pm 2$  mine

Computational accuracy: N/A

**TASK NO.:** 1.7.4.4

**BEHAVIOR:** Perform manned range entry procedures (T)

---

**CONDITION:**

**Agency:** Range tower

**Information source for:** Range clearance

**Manuals and pubs:** 55-16 Ch 8/load sup. to AFR 50-46

**Information source for:** Regs and procedures

**Activity:** Perform ingress

**External environment:** VFR

**Aids:** NONE

**Product of previous task:** N/A

**Initiation cues:** TOT

**Systems presenting cues:** Clock

---

**STANDARD:**

**Authority:** N/A

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.4.5

**BEHAVIOR:** Perform unmanned range entry procedures (T)

---

**CONDITION:**

**Agency:**

Information source for: Range clearance

**Manuals and pubs:** TACR 55-16 Ch 8

Information source for: Procedures

**Activity:** Perform ingress

**External environment:** VFR

**Aids:** NONE

**Product of previous task:** N/A

**Initiation cues:** TOT

**Systems presenting cues:** Clock

---

**STANDARD:**

**Authority:** N/A

**Performance precision:**

**Computational accuracy:**



**TASK NO.:** 1.7.5.1

**BEHAVIOR:** Perform air-to-air tactical formations

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.1.1

**BEHAVIOR:** Perform two-ship tactical formations

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.1.1.1

**BEHAVIOR:** Fly two-ship formation straight ahead (fluid 2 patrol)

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform two-ship tactical formations

**External environment:** Day VFR

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Lead's direction: radio command/prebriefed visual signal

**Systems presenting cues:** Communications

---

**STANDARD:**

**Authority:** 3-1/Phase Manual guidance and IP judgment

**Performance precision:** Maintains +3,000 to -1,000 FT vertical of lead; maintains 4,000 to 7,000 FT horizontal separation; line abreast to +/- 10° fwd/back of lead

**Computational accuracy:** N/A

**TASK NO.:** 1.7.5.1.1.2

**BEHAVIOR:** Perform two-ship turns

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.1.1.2.1

**BEHAVIOR:** Perform two-ship delayed 90° turn

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform two-ship turns

**External environment:** Day VFR

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Lead's directions: radio command/prebriefed visual signal

**Systems presenting cues:** Communication

---

**STANDARD:**

**Authority:** 3-1/Phase Manual guidance and IP judgment

**Performance precision:** Executes turns on signal; resumes in fluid 2 tactical formation with energy equal to or greater than lead aircraft

**Computational accuracy:** N/A

**TASK NO.:** 1.7.5.1.1.2.2

**BEHAVIOR:** Perform two-ship delayed 45° turn

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform two-ship turns

**External environment:** Day VFR

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Lead's direction: radio command/prebriefed visual signal

**Systems presenting cues:** Communications

---

**STANDARD:**

**Authority:** 3-1/Phase Manual guidance and IP judgment

**Performance precision:** Executes turns on signal; resumes in fluid 2 tactical formation with energy equal to or greater than lead aircraft

**Computational accuracy:** N/A

TASK NO.: 1.7.5.1.1.2.3

BEHAVIOR: Perform two-ship 180° in-place turn

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Perform two-ship turns

External environment: Day VFR

Aids: None

Product of previous task: None

Initiation cues: Lead's direction: radio command/prebriefed visual signal

Systems presenting cues: Communications

---

STANDARD:

Authority: 3-1/Phase Manual guidance and IP judgment

Performance precision: Executes turns on signal; resumes on new heading fluid 2 formation position with energy equal to or greater than lead aircraft

Computational accuracy: N/A

TASK NO.: 1.7.5.1.1.2.4

BEHAVIOR: Perform two-ship cross turn

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Perform two-ship turns

External environment: Day VFR

Aids: None

Product of previous task: None

Initiation cues: Lead's direction: radio command/prebriefed visual  
signal

Systems presenting cues: Communications

---

STANDARD:

Authority: 3-1/Phase Manual and IP judgment

Performance precision: Executes turns on signal; resumes (on 180°  
heading) fluid 2 formation with energy equal to or greater than leader

Computational accuracy: N/A



TASK NO.: 1.7.5.1.1.2.5

BEHAVIOR: Perform two-ship weave

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Perform two-ship turns

External environment: Day VFR

Aids: None

Product of previous task: None

Initiation cues: Lead's direction: radio command/prebriefed visual  
signal

Systems presenting cues: Communications

---

STANDARD:

Authority: Phase Manual and IP judgment

Performance precision: Executes turn on signal; maintains energy;  
resumes heading quickly; good lookout throughout

Computational accuracy: N/A

**TASK NO.:** 1.7.5.1.1.2.6

**BEHAVIOR:** Perform two-ship check turn

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform two-ship turns

**External environment:** Day VFR

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Lead's direction: verbal or prebriefed visual signal

**Systems presenting cues:** Communications

---

**STANDARD:**

**Authority:** Phase Manual and IP judgment

**Performance precision:** Executes turn on cue; resumes new heading/fluid two formation quickly; good lookout throughout

**Computational accuracy:** N/A

**TASK NO.:** 1.7.5.1.2

**BEHAVIOR:** Perform four-ship tactical formations

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

TASK NO.: 1.7.5.1.2.1

BEHAVIOR: Fly four-ship formation straight ahead

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for:

Activity: Perform four-ship tactical formations

External environment: Day VFR

Aids: None

Product of previous task: None

Initiation cues: Flight lead direction/signal

Systems presenting cues: N/A

---

STANDARD:

Authority: 3-1, Phase Manual, IP judgment

Performance precision: Alignment according to flight lead briefed parameters

Computational accuracy: N/A

**TASK NO.:** 1.7.5.1.2.2

**BEHAVIOR:** Perform four-ship turns

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.1.2.2.1

**BEHAVIOR:** Perform four-ship delayed 90° turn

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform four-ship turns

**External environment:** Day VFR

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Flight lead direction/signal

**Systems presenting cues:** N/A

---

**STANDARD:**

**Authority:** 3-1, Phase Manual, IP judgment

**Performance precision:** Executes on cue; resumes in position

**Computational accuracy:** N/A

TASK NO.: 1.7.5.1.2.2.2

BEHAVIOR: Perform four-ship in-place turn

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Perform four-ship turns

External environment: Day VFR

Aids: None

Product of previous task: None

Initiation cues: Flight lead direction/signal

Systems presenting cues: N/A

---

STANDARD:

Authority: 3-1; Phase Manual; IP judgment

Performance precision: Executes on cue; resumes in position at flight lead's roll-out

Computational accuracy: N/A

**TASK NO.:** 1.7.5.1.2.2.3

**BEHAVIOR:** Perform four-ship delayed 45° turn

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**



**TASK NO.:** 1.7.5.1.2.2.4

**BEHAVIOR:** Perform four-ship cross turn

---

**CONDITION:**

**Agency:**

**Information source for:**

**Manuals and pubs:**

**Information source for:**

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

**Systems presenting cues:**

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.1.2.2.5

**BEHAVIOR:** Perform four-ship check turn

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.1.2.2.6

**BEHAVIOR:** Perform four-ship weave

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

External environment:

**Aids:**

Product of previous task:

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

Performance precision:

Computational accuracy:

**TASK NO.:** 1.7.5.1.3

**BEHAVIOR:** Perform three-ship tactical formations

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.1.3.1

**BEHAVIOR:** Fly three-ship formation straight ahead

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform three-ship tactical formation

**External environment:** Day VFR

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Flight lead direction/signal (briefed)

**Systems presenting cues:** N/A

---

**STANDARD:**

**Authority:** 3-1, Phase Manual, IP judgment

**Performance precision:** IAW alignment parameters briefed by flight lead

**Computational accuracy:** N/A

**TASK NO.:** 1.7.5.1.3.2

**BEHAVIOR:** Perform three-ship turns

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.1.3.2.1

**BEHAVIOR:** Perform three-ship delayed 90° turn

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform three-ship turns

**External environment:** Day VFR

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Flight lead direction/signal

**Systems presenting cues:** N/A

---

**STANDARD:**

**Authority:** 3-1, Phase Manual, IP judgment

**Performance precision:** Executes on cue; resumes in position

**Computational accuracy:** N/A

**TASK NO.:** 1.7.5.1.3.2.2

**BEHAVIOR:** Perform three-ship in-place turn

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform three-ship turns

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**



**TASK NO.:** 1.7.5.1.3.2.3

**BEHAVIOR:** Perform three-ship delayed 45° turn

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.1.3.2.4

**BEHAVIOR:** Perform three-ship cross turn

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.1.3.2.5

**BEHAVIOR:** Perform three-ship check turn

---

**CONDITION:**

**Agency:**

**Information source for:**

**Manuals and pubs:**

**Information source for:**

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

**Systems presenting cues:**

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.1.3.2.6

**BEHAVIOR:** Perform three-ship weave

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.1.4

**BEHAVIOR:** Perform "cover" role

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform air-to-air tactical formations

**External environment:** Day VFR

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Other element in four-ship is engaged

**Systems presenting cues:** N/A

---

**STANDARD:**

**Authority:** 3-1, IP judgment

**Performance precision:** Maintains relative fluid 2 position

**Computational accuracy:** N/A

**TASK NO.:** 1.7.5.1.5

**BEHAVIOR:** Perform mixed force formations

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform air-to-air tactical formation

**External environment:** Day VFR

**Aids:** None

**Product of previous task:** None

**Initiation cues:** On flight lead brief/direction/signal

**Systems presenting cues:** N/A

---

**STANDARD:**

**Authority:** 3-1, IP judgment

**Performance precision:** Maintains briefed parameters

**Computational accuracy:** N/A

**TASK NO.:** 1.7.5.1.6

**BEHAVIOR:** Perform formation lookout

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.1.6.1

**BEHAVIOR:** Perform formation visual lookout

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform formation lookout

**External environment:** Day VFR

**Aids:** None

**Product of previous task:** None

**Initiation cues:** In tactical formation

**Systems presenting cues:** N/A

---

**STANDARD:**

**Authority:** 3-1, Phase Manual, IP judgment

**Performance precision:** Utilizes good lookout rules; sees threat aircraft before they are in lethal range

**Computational accuracy:** N/A



**TASK NO.:** 1.7.5.1.6.2

**BEHAVIOR:** Perform formation radar lookout

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform formation lookout

**External environment:** Day VFR

**Aids:** None

**Product of previous task:** None

**Initiation cues:** On flight lead briefed direction - tactical  
formation

**Systems presenting cues:** REO

---

**STANDARD:**

**Authority:** 3-1, Phase Manual, IP judgment

**Performance precision:** Sets up radar IAW flight lead instruction;  
notes and responds to radar targets

**Computational accuracy:** N/A

**TASK NO.:** 1.7.5.2.1

**BEHAVIOR:** Respond to receipt of initial air-to-air target information

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform tactical intercept

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:** Radio transmission from GCI/AWACS

**Systems presenting cues:** UHF

---

**STANDARD:**

**Authority:** IP judgment

**Performance precision:** Accurately determine target's relative position and maneuver accordingly

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.2

**BEHAVIOR:** Locate target beyond visual range

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.2.1

**BEHAVIOR:** Locate target with EW/electronic aids

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Locate target beyond visual range

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:** Illumination of threat symbol on RWR scope and  
associated tone in headset

**Systems presenting cues:** Threat warning system

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.2.2

**BEHAVIOR:** Locate target with radar

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.2.2.1

**BEHAVIOR:** Perform radar search/acquire target

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Locate target with radar

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:** Mission assignment or call from GCI/AWACS

**Systems presenting cues:** UHF

---

**STANDARD:**

**Authority:** IP judgment

**Performance precision:** Target acquisition

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.2.2.2

**BEHAVIOR:** Lock on target

---

**CONDITION:**

**Agency:** GCI (optional)

**Information source for:** Target information

**Manuals and pubs:**

**Information source for:**

**Activity:** Locate target with radar

**External environment:** N/A

**Aids:** NONE

**Product of previous task:** N/A

**Initiation cues:** Target on REO

**Systems presenting cues:** REO

---

**STANDARD:**

**Authority:** TBD

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.2.2.3

**BEHAVIOR:** Determine target heading, altitude, and airspeed

---

**CONDITION:**

**Agency:** NONE

**Information source for:** N/A

**Manuals and pubs:**

**Information source for:**

**Activity:** Locate target with radar

**External environment:** N/A

**Aids:** NONE

**Product of previous task:** 1.7.5.2.2.2.2

**Initiation cues:** Radar lock-on

**Systems presenting cues:** REO

---

**STANDARD:**

**Authority:** TBD

**Performance precision:**

**Computational accuracy:**



**TASK NO.:** 1.7.5.2.2.3

**BEHAVIOR:** Relay radar acquisition information

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Locate target beyond visual range

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:** Acquisition of target on REO

**Systems presenting cues:** REO

---

**STANDARD:**

**Authority:** 3-1

**Performance precision:** IP judgment

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.3

**BEHAVIOR:** Determine attack feasibility

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform tactical intercept

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:** Target on REO or visually

**Systems presenting cues:** Radar or eyes

---

**STANDARD:**

**Authority:** IP judgment

**Performance precision:** IP judgment

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.4

**BEHAVIOR:** Plan tactical intercept (BVR)

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.4.1

**BEHAVIOR:** Determine type of intercept

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Plan tactical intercept (BVR)

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:** Target information from REO

**Systems presenting cues:** Radar

---

**STANDARD:**

**Authority:**

**Performance precision:** IP judgment

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.4.2

**BEHAVIOR:** Select weapons to employ in air-to-air scenario

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Plan tactical intercept (BVR)

**External environment:** N/A

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Air-to-air weapons/ammo on board aircraft

**Systems presenting cues:** SMS/HUD (weapons status)

---

**STANDARD:**

**Authority:** IP judgment

**Performance precision:**

**Computational accuracy:** N/A

**TASK NO.:** 1.7.5.2.4.3

**BEHAVIOR:** Determine intercept geometry

---

**CONDITION:**

**Agency:**

**Information source for:**

**Manuals and pubs:**

**Information source for:**

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

**Systems presenting cues:**

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.4.3.1

**BEHAVIOR:** Determine collision course geometry

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Determine intercept geometry

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:** Target lock-on information on REO  
**Systems presenting cues:** Radar

---

**STANDARD:**

**Authority:**

**Performance precision:** IP judgment

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.4.3.2

**BEHAVIOR:** Determine stern conversion geometry

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Determine intercept geometry

**External environment:**

**Aids:**

**Product of previous task:** 1.7.5.2.4.3.1

**Initiation cues:** Target reaches desired range

**Systems presenting cues:** REO

---

**STANDARD:**

**Authority:** IP judgment

**Performance precision:** IP judgment

**Computational accuracy:** IP judgment



**TASK NO.:** 1.7.5.2.4.4

**BEHAVIOR:** Plan formation intercept tactics

---

**CONDITION:**

**Agency:**

**Information source for:**

**Manuals and pubs:**

**Information source for:**

**Activity:** Plan tactical intercept (BVR)

**External environment:**

**Aids:** Mission briefed tactics

**Product of previous task:** Target on REO

**Initiation cues:** REO

**Systems presenting cues:** IP judgment

---

**STANDARD:**

**Authority:** IP judgment

**Performance precision:** IP judgment

**Computational accuracy:** REO

**TASK NO.:** 1.7.5.2.5

**BEHAVIOR:** Perform single-ship tactical intercept

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.5.1.1

**BEHAVIOR:** Perform beam collision course intercept

---

**CONDITION:**

**Agency:**

**Information source for:**

**Manuals and pubs:**

**Information source for:**

**Activity:** Perform collision course intercept

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:** Target on REO

**Systems presenting cues:** Radar

---

**STANDARD:**

**Authority:** IP judgment

**Performance precision:** IP judgment

**Computational accuracy:** IP judgment

**TASK NO.:** 1.7.5.2.5.1.2

**BEHAVIOR:** Perform front quarter collision course intercept

---

**CONDITION:**

**Agency:**

**Information source for:**

**Manuals and pubs:**

**Information source for:**

**Activity:** Perform collision course intercept

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

**Systems presenting cues:**

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.5.1.3

**BEHAVIOR:** Perform head-on collision course intercept

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform collision course intercept

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

TASK NO.: 1.7.5.2.5.2.1.1

BEHAVIOR: Perform beam quadrant horizontal conversion

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform beam quadrant stern conversion intercept

External environment:

Aids:

Product of previous task:

Initiation cues: Target on REO with approximate 90° HCA

Systems presenting cues: Radar

---

STANDARD:

Authority: IP judgment

Performance precision: Ends intercept 1 to 2 NM behind target

Computational accuracy:

TASK NO.: 1.7.5.2.5.2.1.2

BEHAVIOR: Perform beam quadrant vertical conversion

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform beam quadrant stern conversion intercept

External environment: Conditions permitting vertical deployment

Aids:

Product of previous task:

Initiation cues: Target on REO with approximate  $90^\circ$  HCA

Systems presenting cues: Radar

---

STANDARD:

Authority: IP judgment

Performance precision: Ends intercept 1 to 2 NM behind target

Computational accuracy:

**TASK NO.:** 1.7.5.2.5.2.2.1

**BEHAVIOR:** Perform front quarter horizontal conversion

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform front quarter stern conversion intercept

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**



**TASK NO.:** 1.7.5.2.5.2.2.2

**BEHAVIOR:** Perform front quarter vertical conversion

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform front quarter stern conversion intercept

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.5.2.3.1

**BEHAVIOR:** Perform head-on horizontal conversion

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform head-on stern conversion intercept

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.5.2.3.2

**BEHAVIOR:** Perform head-on vertical conversion

---

**CONDITION:**

**Agency:**

**Information source for:**

**Manuals and pubs:**

**Information source for:**

**Activity:** Perform head-on stern conversion intercept

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

**Systems presenting cues:**

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.5.2.4

**BEHAVIOR:** Perform night/IMC intercept

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.6

**BEHAVIOR:** Respond to maneuvering bogey (BVR)

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform tactical intercept

**External environment:**

**Aids:** Target data on REO with lock-on or GCI/AWACS

**Product of previous task:**

**Initiation cues:** Target does not follow predirected track on REO

**Systems presenting cues:** Radar

---

**STANDARD:**

**Authority:** IP judgment

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.7

**BEHAVIOR:** Perform formation attack

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.7.1

**BEHAVIOR:** Perform two-ship fluid attack

---

**CONDITION:**

**Agency:**

**Information source for:**

**Manuals and pubs:**

**Information source for:**

**Activity:** Perform formation attack

**External environment:** Day VMC

**Aids:**

**Product of previous task:**

**Initiation cues:** Visual contact with a target and in an offensive position

**Systems presenting cues:** Eyes

---

**STANDARD:**

**Authority:** IP judgment

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.7.2

**BEHAVIOR:** Perform two-ship formation counteroffensive maneuvers

---

**CONDITION:**

**Agency:**

**Information source for:**

**Manuals and pubs:**

**Information source for:**

**Activity:** Perform formation attack

**External environment:** Day VMC

**Aids:** RWR

**Product of previous task:**

**Initiation cues:** Visual contact with a target and in an offensive position

**Systems presenting cues:** Eyes

---

**STANDARD:**

**Authority:** IP judgment

**Performance precision:**

**Computational accuracy:**



**TASK NO.:** 1.7.5.2.8.1

**BEHAVIOR:** Perform visual search

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Locate target within visual range

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

TASK NO.: 1.7.5.2.8.2.1

BEHAVIOR: Perform hook ID

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: ID bogey

External environment:

Aids: GCI/AWACS

Product of previous task:

Initiation cues: Target acquisition and REO

Systems presenting cues: Radar

---

STANDARD:

Authority: IP judgment

Performance precision:

Computational accuracy:

**TASK NO.:** 1.7.5.2.8.3

**BEHAVIOR:** Relay visual acquisition information

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Locate bogey within visual range

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:** Visual contact with bogey

**Systems presenting cues:** Eyes

---

**STANDARD:**

**Authority:** 3-1

**Performance precision:** IP judgment

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.9.1

**BEHAVIOR:** Select offensive and counteroffensive maneuvers

---

**CONDITION:**

**Agency:**

**Information source for:**

**Manuals and pubs:**

**Information source for:**

**Activity:** Respond to maneuvering bogey

**External environment:** Day VMC

**Aids:**

**Product of previous task:**

**Initiation cues:** Visual acquisition with bogey

**Systems presenting cues:**

---

**STANDARD:**

**Authority:** IP judgment

**Performance precision:** IP judgment

**Computational accuracy:** IP judgment

TASK NO.: 1.7.5.2.9.2.1

BEHAVIOR: Perform acceleration maneuver

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Perform offensive BFM

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Inadequate closure on bogey (need to accelerate)

Systems presenting cues: HUD or visual

---

STANDARD:

Authority: IP judgment

Performance precision: Does not get nose too low, does not lose sight, does not lose fight

Computational accuracy: N/A

**TASK NO.:** 1.7.5.2.9.2.2

**BEHAVIOR:** Perform barrel roll maneuver

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform offensive BFM

**External environment:** N/A

**Aids:** None

**Product of previous task:** None

**Initiation cues:** 4 g turning bogie which can generate 60-90° angle off if you remain in the same plane

**Systems presenting cues:** REO for range or visual

---

**STANDARD:**

**Authority:** IP judgment/visual simulator measurement

**Performance precision:** Complete maneuver matching flight paths +/- 10°, range .5 to 1.5 miles at 6

**Computational accuracy:** N/A

**TASK NO.:** 1.7.5.2.9.2.3

**BEHAVIOR:** Perform Immelmann turn

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform offensive BFM

**External environment:** N/A

**Aids:** None

**Product of previous task:** None

**Initiation cues:** 4 g turning bogey who can meet you with greater than 90° aspect

**Systems presenting cues:** REO for range, HUD

---

**STANDARD:**

**Authority:** IP judgment/visual simulator measurement

**Performance precision:** Complete maneuver, matching flight paths +/- 10°, range .5 to 1.5 miles at 6 o'clock

**Computational accuracy:** N/A

**TASK NO.:** 1.7.5.2.9.2.4

**BEHAVIOR:** Perform pursuit

---

**CONDITION:**

**Agency:**

**Information source for:**

**Manuals and pubs:**

**Information source for:**

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

**Systems presenting cues:**

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**



TASK NO.: 1.7.5.2.9.2.4.1

BEHAVIOR: Perform lag pursuit

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Perform pursuit

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: High energy, 4 g turning bogey at 12 o'clock

Systems presenting cues: REO, HUD

---

STANDARD:

Authority: IP judgment/visual simulator measurement

Performance precision: Control closure and aspect angle +/- 30 KTS  
and +/- 10

Computational accuracy: N/A

TASK NO.: 1.7.5.2.9.2.4.2

BEHAVIOR: Perform pure pursuit

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Perform pursuit

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: 4 g bogey in forward field of view, aspect 0-30°

Systems presenting cues: REO, HUD

---

STANDARD:

Authority: IP judgment; visual simulator measurement

Performance precision: Closes to weapons envelope

Computational accuracy: N/A

**TASK NO.:** 1.7.5.2.9.2.4.3

**BEHAVIOR:** Perform lead pursuit

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform pursuit

**External environment:** N/A

**Aids:** None

**Product of previous task:** None

**Initiation cues:** 4 g bogey in forward field of view, aspect 0-30°  
**Systems presenting cues:** REO, HUD

---

**STANDARD:**

**Authority:** IP judgment

**Performance precision:** Close to maximum weapons range

**Computational accuracy:** N/A

**TASK NO.:** 1.7.5.2.9.2.5

**BEHAVIOR:** Perform lead turn maneuver

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform defensive BFM

**External environment:** N/A

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Bogey in process of overshooting

**Systems presenting cues:** Visual

---

**STANDARD:**

**Authority:** IP judgment

**Performance precision:** Achieves offensive position

**Computational accuracy:** N/A

TASK NO.: 1.7.5.2.9.2.6

BEHAVIOR: Perform lag roll

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Perform offensive BFM

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: 4 g turning bogey in forward field of view aspect  
20-40°, 50 + KTS closure; range 4-6,000 FT

Systems presenting cues: N/A

---

STANDARD:

Authority: IP judgment

Performance precision: Arrives in lag pursuit position or weapon  
paramative

Computational accuracy: N/A

TASK NO.: 1.7.5.2.9.2.7

BEHAVIOR: Perform high yo-yo

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Perform offensive BFM

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: 4 g turning bogey in forward field of view RNG  
3-4,000 FT, 0-30° aspect, or more closure

Systems presenting cues: HUD and visual

---

STANDARD:

Authority: IP judgment

Performance precision: Maintains offensive position

Computational accuracy: N/A

**TASK NO.:** 1.7.5.2.9.2.8

**BEHAVIOR:** Perform quarter plane maneuver

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform offensive BFM

**External environment:** N/A

**Aids:** None

**Product of previous task:** None

**Initiation cues:** 4 g turning bogey 40-60° aspect angle, 50-100 KTS closure

**Systems presenting cues:**

---

**STANDARD:**

**Authority:** IP judgment

**Performance precision:** Maintains offensive position

**Computational accuracy:** N/A

TASK NO.: 1.7.5.2.9.2.9 .

BEHAVIOR: Perform gun tracking

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Perform offensive BFM

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Turning bogey within gun attack envelope

Systems presenting cues: HUD

---

STANDARD:

Authority: IP judgment or computation from visual simulator

Performance precision: Activates gun position and holds for 2-3 seconds

Computational accuracy: N/A



**TASK NO.:** 1.7.5.2.9.2.10

**BEHAVIOR:** Perform high deflection gunshot

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform offensive BFM

**External environment:** N/A

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Turning bogey, predicted 60-90° heading crossing angle, range 4,000 FT, on nose

**Systems presenting cues:** HUD

---

**STANDARD:**

**Authority:** IP judgment or computation from visual simulator

**Performance precision:** Angle off: 60-90°, bullet impact point at firing range not behind bogey

**Computational accuracy:** N/A

**TASK NO.:** 1.7.5.2.9.2.11

**BEHAVIOR:** Perform butterfly dart pattern (T)

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform offensive BFM

**External environment:** VMC and not over an overcast

**Aids:**

**Product of previous task:**

**Initiation cues:** Direction from TOW A/C

**Systems presenting cues:** VHF

---

**STANDARD:**

**Authority:** IAW MCM 51-50 and TACR 55-16

**Performance precision:** IAW MCM 51-50 and TACR 55-16

**Computational accuracy:** IAW MCM 51-50 and TACR 55-16

**TASK NO.:** 1.7.5.2.9.2.12

**BEHAVIOR:** Perform high angle dart pattern (T)

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform offensive BFM

**External environment:** Day VMC and not over an overcast

**Aids:**

**Product of previous task:**

**Initiation cues:** Visual contact with TOW and clearance from TOW

**Systems presenting cues:** UHF, eyes

---

**STANDARD:**

**Authority:** IAW MCM 51-50 and TACR 55-16

**Performance precision:** IAW MCM 51-50 and TACR 55-16

**Computational accuracy:** IAW MSM 51-50 and TACR 55-16

**TASK NO.:** 1.7.5.2.9.2.13

**BEHAVIOR:** Perform low yo-yo

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.9.3

**BEHAVIOR:** Perform counteroffensive BFM

---

**CONDITION:**

**Agency:**

**Information source for:**

**Manuals and pubs:**

**Information source for:**

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

**Systems presenting cues:**

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.9.3.1

**BEHAVIOR:** Perform extension maneuver

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform counteroffensive BFM

**External environment:** N/A

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Offensive bogey approaching weapons range

**Systems presenting cues:** Visual

---

**STANDARD:**

**Authority:** IP judgment

**Performance precision:** Negates attack by sustaining energy and staying out of attack envelope

**Computational accuracy:** N/A

**TASK NO.:** 1.7.5.2.9.3.2

**BEHAVIOR:** Perform defensive turn

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform counteroffensive BFM

**External environment:** N/A

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Offensive bogie within weapons range attempting to bring weapons to bear

**Systems presenting cues:** N/A

---

**STANDARD:**

**Authority:** IP judgment

**Performance precision:** Negates attack by creating angle off and maintains energy

**Computational accuracy:** N/A

**TASK NO.:** 1.7.5.2.9.3.3

**BEHAVIOR:** Perform reversal

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform counteroffensive BFM

**External environment:** N/A

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Offensive bogey overshooting

**Systems presenting cues:** N/A

---

**STANDARD:**

**Authority:** IP judgment

**Performance precision:** Converts to neutral or offensive position

**Computational accuracy:** N/A



**TASK NO.:** 1.7.5.2.9.3.4

**BEHAVIOR:** Perform missile break turn

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform counteroffensive BFM

**External environment:** N/A

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Bogey in missile range, fires missile at your aircraft (visual simulation)

**Systems presenting cues:** (Simulation)

---

**STANDARD:**

**Authority:** IP judgment (computed success by system computer)

**Performance precision:** Defeats simulated missile

**Computational accuracy:** N/A

**TASK NO.:** 1.7.5.2.9.3.5

**BEHAVIOR:** Perform gun break turn

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform counteroffensive BFM

**External environment:** N/A

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Bogey in gun firing envelope attacking you (visual simulation)

**Systems presenting cues:** (Simulation)

---

**STANDARD:**

**Authority:** IP judgment (computed success by system computer)

**Performance precision:** Defeats gun attack

**Computational accuracy:** N/A

**TASK NO.:** 1.7.5.2.9.3.6

**BEHAVIOR:** Perform scissors

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform counteroffensive BFM

**External environment:** N/A

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Bogey attacking you in a slow to moderate overshoot

**Systems presenting cues:** N/A

---

**STANDARD:**

**Authority:** IP judgment

**Performance precision:** Achieves neutral or advantageous position

**Computational accuracy:** N/A

**TASK NO.:** 1.7.5.2.9.3.7

**BEHAVIOR:** Perform high g roll over the top

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform counteroffensive BFM

**External environment:** N/A

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Bogey in gun attack position on you; your airspeed  
250 KIAS+ (estimated)

**Systems presenting cues:** N/A

---

**STANDARD:**

**Authority:** IP judgment

**Performance precision:**

**Computational accuracy:** N/A

TASK NO.: 1.7.5.2.9.3.8.

BEHAVIOR: Perform high g roll underneath

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Perform counteroffensive BFM

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Bogey in gun position; your airspeed less than 250  
KIAS. (estimated)

Systems presenting cues: N/A

---

STANDARD:

Authority: IP judgment

Performance precision:

Computational accuracy: N/A

**TASK NO.:** 1.7.5.2.9.3.9

**BEHAVIOR:** Perform jinkout

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform counteroffensive BFM

**External environment:** N/A

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Bogey in gun tracking position

**Systems presenting cues:** N/A

---

**STANDARD:**

**Authority:** IP judgment

**Performance precision:** Is unpredictable, changes flightpath, turns at max rate

**Computational accuracy:** N/A

**TASK NO.:** 1.7.5.2.10

**BEHAVIOR:** Employ combat energy management

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform tactical intercept

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:** Need to max maneuver aircraft

**Systems presenting cues:**

---

**STANDARD:**

**Authority:** IP judgment with HUD film

**Performance precision:** IP judgment with HUD film

**Computational accuracy:** IP judgment with HUD film

**TASK NO.:** 1.7.5.2.11.1

**BEHAVIOR:** Perform missile attack

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**



**TASK NO.:** 1.7.5.2.11.1.1

**BEHAVIOR:** Perform missile attack in AAM mode

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.11.1.1.1

**BEHAVIOR:** Perform missile attack in AAM mode with AIM 9J

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform missile attack in AAM mode

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:** Target within weapons parameter

**Systems presenting cues:** HUD

---

**STANDARD:**

**Authority:** IP judgment with HUD film

**Performance precision:** Launches missile within parameters

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.11.1.1.2

**BEHAVIOR:** Perform missile attack in AAM mode with AIM 9L

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform missile attack in AAM mode

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.11.1.2

**BEHAVIOR:** Perform missile attack in missile override/dogfight mode

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

TASK NO.: 1.7.5.2.11.1.2.1

BEHAVIOR: Perform missile attack in missile override/dogfight mode with  
AIM 9J

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform missile attack in missile override/dogfight mode

External environment:

Aids:

Product of previous task:

Initiation cues: Target within HUD FOV or 0° to 40° high and SNM  
range

Systems presenting cues

---

STANDARD:

Authority: IP judgment with AIM

Performance precision:

Computational accuracy: Activities launch parameters

TASK NO.: 1.7.5.2.11.1.2.2

BEHAVIOR: Perform missile attack in missile override/dogfight mode with  
AIM 9L

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform missile attack in missile override/dogfight mode

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

**TASK NO.:** 1.7.5.2.11.1.3

**BEHAVIOR:** Perform missile attack using manual reticle

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

TASK NO.: 1.7.5.2.11.1.3.1

BEHAVIOR: Perform missile attack with AIM 9J using manual reticle

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform missile attack using manual reticle

External environment:

Aids:

Product of previous task:

Initiation cues: Target within launch parameters and HUD out

Systems presenting cues: Visual

---

STANDARD:

Authority: IP judgement

Performance precision:

Computational accuracy:



TASK NO.: 1.7.5.2.11.1.3.2

BEHAVIOR: Perform missile attack with AIM 9L using manual reticle

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform missile attack using manual reticle

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.5.2.11.1.4

BEHAVIOR: Perform missile attack using HUD back-up

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.5.2.11.1.4.1

BEHAVIOR: Perform missile attack with AIM 9J using HUD back-up

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform missile attack using HUD back-up

External environment:

Aids:

Product of previous task:

Initiation cues: Visual sighting with target and radar failure

Systems presenting cues: Radar, HUD

---

STANDARD:

Authority: IP judgement

Performance precision: IP judgement

Computational accuracy: IP judgement

TASK NO.: 1.7.5.2.11.1.4.2

BEHAVIOR: Perform missile attack with AIM 9L using HUD back-up

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform missile attack using HUD back-up

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.5.2.11.2

BEHAVIOR: Perform gun attack

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.5.2.11.2.1

BEHAVIOR: Perform gun attack in LCOS mode

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Perform gun attack

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Target in forward field of view (gun range)

Systems presenting cues: HUD, weapons, SMS

---

STANDARD:

Authority: IP judgment

Performance precision: Armed correctly, documented correctly, fired in parameters

Computational accuracy: N/A

**TASK NO.:** 1.7.5.2.11.2.2

**BEHAVIOR:** Perform gun attack in snapshot mode

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform gun attack

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:** Target in forward filed of view (gun range)

**Systems presenting cues:** Visual

---

**STANDARD:**

**Authority:** IP judgement

**Performance precision:** Armed correctly and fired in range

**Computational accuracy:**

TASK NO.: 1.7.5.2.11.2.3

BEHAVIOR: Perform gun attack in dogfight mode

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform gun attack

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:



TASK NO.: 1.7.5.2.11.2.4

BEHAVIOR: Perform gun attack using stadiametric ranging/manual reticle

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Perform gun attack

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Target in forward field of view (gun range)

Systems presenting cues: HUD, weapons, SMS

---

STANDARD:

Authority: -34

Performance precision: Armed correctly, documented correctly, fir in parameters

Computational accuracy: N/A

TASK NO.: 1.7.5.2.11.2.5

BEHAVIOR: Perform gun attack using HUD back-up

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform gun attack

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy: N/A.

TASK NO.: 1.7.5.2.11.2.7

BEHAVIOR: Perform gun attack against dart (T)

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform gun attack

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.5.2.12.1

BEHAVIOR: Plan disengagement

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform disengagement

External environment:

Aids:

Product of previous task:

Initiation cues: Bingo fuel, loss of mutual support, or loss of  
offensive potential

Systems presenting cues:

---

STANDARD:

Authority: IP judgement

Performance precision:

Computational accuracy:

TASK NO.: 1.7.5.2.12.2

BEHAVIOR: Select disengagement maneuver

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Perform disengagement

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Air-to-air engagement

Systems presenting cues: N/A

---

STANDARD:

Authority: IP judgment

Performance precision:

Computational accuracy: N/A

TASK NO.: 1.7.5.2.12.3

BEHAVIOR: Perform disengagement maneuver

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.5.2.12.3.1

BEHAVIOR: Perform extension maneuver

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.5.2.12.3.2

BEHAVIOR: Perform high angle gun or missile separation maneuver

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Perform disengagement maneuver

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Air-to-air target with turning room to set up high angle gun attack

Systems presenting cues: N/A

---

STANDARD:

Authority: IP judgment

Performance precision: Firing at target, clean separation

Computational accuracy: N/A



TASK NO.: 1.7.5.2.12.3.4

BEHAVIOR: Perform high g spiral

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Perform disengagement maneuver

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Air-to-air engagement with bogey at 6 o'clock

Systems presenting cues: N/A

---

STANDARD:

Authority: IP judgment

Performance precision:

Computational accuracy: N/A

TASK NO.: 1.7.5.2.13.1

BEHAVIOR: Perform tactical intercept using GCI/AWACS

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform tactical intercept in specialized situations

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

**TASK NO.:** 1.7.5.2.13.2

**BEHAVIOR:** Perform tactical intercept on a jamming target or with radar degraded

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform tactical intercept in specialized situations

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.5.2.13.5

**BEHAVIOR:** Perform tactical intercept on an orbiting target

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform tactical intercept in specialized situations

**External environment:** Day, night, scattered clouds

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Enemy aircraft maintaining geographical position

**Systems presenting cues:** REO

---

**STANDARD:**

**Authority:** IP judgment

**Performance precision:** Intercepts target, has tactical advantage when visual

**Computational accuracy:** N/A

TASK NO.: 1.7.5.2.13.6

BEHAVIOR: Perform tactical intercept in a comm jamming environment

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform tactical intercept in specialized situations

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.5.2.13.7

BEHAVIOR: Perform tactical intercept in a multibogey environment

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform tactical intercept in specialized situations

External environment:

Aids:

Product of previous task:

Initiation cues: Radar contact with bogey or call from GCI/AWACS

Systems presenting cues: REO, UHF

---

STANDARD:

Authority: IP judgment

Performance precision: IP judgment

Computational accuracy: IP judgment

TASK NO.: 1.7.5.3.1

BEHAVIOR: Perform sweep with GCI/AWACS available

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform sweep

External environment:

Aids:

Product of previous task:

Initiation cues: Radar contact with bogey or call from GCI/AWACS

Systems presenting cues: REO, UHF

---

STANDARD:

Authority: IP judgement

Performance precision: Intercepts bogey and achieves weapons parameters

Computational accuracy:

**TASK NO.:** 1.7.5.3.2

**BEHAVIOR:** Perform sweep with GCI/AWACS unavailable

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform sweep

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:** Radar contact with bogey

**Systems presenting cues:** REO

---

**STANDARD:**

**Authority:** IP judgement

**Performance precision:** Intercepts and achieves weapons parameters

**Computational accuracy:**



TASK NO.: 1.7.5.4.1

BEHAVIOR: Perform roving CAP

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform CAP

External environment:

Aids:

Product of previous task:

Initiation cues: Mission assignment

Systems presenting cues:

---

STANDARD:

Authority: IP judgement

Performance precision: Detect and intercept attacking targets

Computational accuracy:

TASK NO.: 1.7.5.4.3

BEHAVIOR: Perform point CAP

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform CAP

External environment:

Aids:

Product of previous task:

Initiation cues: Arrival at designated point

Systems presenting cues: FCNP, visual, TACAN

---

STANDARD:

Authority: IP judgement

Performance precision: Detect and intercept attacking targets

Computational accuracy:

TASK NO.: 1.7.5.4.4

BEHAVIOR: Perform Barrier CAP (BARCAP)

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform CAP

External environment:

Aids:

Product of previous task:

Initiation cues: Arrival at assigned area

Systems presenting cues: FCNP, TACAN, visual

---

STANDARD:

Authority: IP judgement

Performance precision: Detect and intercepts attacking targets

Computational accuracy:

TASK NO.: 1.7.5.4.4.1

BEHAVIOR: Perform triangular BARCAP pattern

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform Barrier CAP

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

**TASK NO.:** 1.7.5.4.4.2

**BEHAVIOR:** Perform sawtooth BARCAP pattern

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform Barrier CAP

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

TASK NO.: 1.7.5.5

BEHAVIOR: Perform air-to-air escort

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.5.5.1

BEHAVIOR: Perform tactical strike force escort

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform air-to-air escort

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

**TASK NO.:** 1.7.5.5.2

**BEHAVIOR:** Perform reconnaissance escort

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform air-to-air escort

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**



**TASK NO.:** 1.7.5.5.3

**BEHAVIOR:** Perform bomber/airlift escort

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform air-to-air escort

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

TASK NO.: 1.7.5.6

BEHAVIOR: Perform air-to-air operations with visibility restricted

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

**TASK NO.:** 1.7.6.1.1.1

**BEHAVIOR:** Perform two-ship tactical trail formation (TBD)

---

**CONDITION:**

**Agency:** NONE

**Information source for:** N/A

**Manuals and pubs:** Conversion Training Manual

**Information source for:** Procedures

**Activity:** Perform medium altitude air-to-surface tactical formations

**External environment:** VFR

**Aids:** NONE

**Product of previous task:** N/A

**Initiation cues:** Radio call from lead

**Systems presenting cues:** Radio

---

**STANDARD:**

**Authority:** Conversion Training Manual

**Performance precision:** In position 100% of time

**Computational accuracy:** N/A

**TASK NO.:** 1.7.6.1.1.2

**BEHAVIOR:** Perform three-ship tactical point formation (fluid three)

---

**CONDITION:**

**Agency:** NONE

**Information source for:** N/A

**Manuals and pubs:** 3-1 and SAT Training Manual

**Information source for:** Procedures

**Activity:** Perform medium altitude air-to-surface tactical formations

**External environment:** VFR

**Aids:** NONE

**Product of previous task:** N/A

**Initiation cues:** Radio call from land

**Systems presenting cues:** Radio

---

**STANDARD:**

**Authority:**

**Performance precision:** TBD

**Computational accuracy:**

**TASK NO.:** 1.7.6.1.1.3

**BEHAVIOR:** Perform fluid four-ship formation

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.6.1.1.4

**BEHAVIOR:** Perform four-ship box formation

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.6.1.2

**BEHAVIOR:** Perform low altitude (300-500 ft) and very low altitude  
(100-300 ft) air-to-surface tactical formations

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

TASK NO.: 1.7.6.1.2.1

BEHAVIOR: Perform fluid two formation at low and very low altitude

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform low and very low altitude air-to-surface tactical formations

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:



**TASK NO.:** 1.7.6.1.2.2

**BEHAVIOR:** Perform three-ship point formation

---

**CONDITION:**

**Agency:**

**Information source for:**

**Manuals and pubs:**

**Information source for:**

**Activity:** Perform low and very low altitude air-to-surface tactical formations

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

**Systems presenting cues:**

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

TASK NO.: 1.7.6.1.2.3

BEHAVIOR: Perform four-ship point formation

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform low and very low altitude air-to-surface tactical formations

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.1.2.4

BEHAVIOR: Perform wedge formation

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform low and very low altitude air-to-surface tactical formations

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.1.2.5

BEHAVIOR: Perform offset box formation

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.1.2.5.2

BEHAVIOR: Perform offset box turns

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.2.1.1.1

BEHAVIOR: Perform route recce

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.2.1.1.1.1.1

BEHAVIOR: Perform two-ship route recce parallel formation

---

CONDITION:

Agency: NONE

Information source for: N/A

Manuals and pubs: TACM 3-1

Information source for: Procedures

Activity: Perform route recce formations

External environment: VFR

Aids: NONE

Product of previous task: N/A

Initiation cues: Radio call from lead aircraft

Systems presenting cues: Radio

---

STANDARD:

Authority:

Performance precision: TBD

Computational accuracy: N/A

**TASK NO.:** 1.7.6.2.1.1.1.2

**BEHAVIOR:** Perform two-ship route recce crossing formation

---

**CONDITION:**

**Agency:**

**Information source for:**

**Manuals and pubs:**

**Information source for:**

**Activity:** Perform route recce formations

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

**Systems presenting cues:**

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**



**TASK NO.:** 1.7.6.2.1.1.1.3

**BEHAVIOR:** Perform four-ship route recce crossing formation

---

**CONDITION:**

**Agency:**

**Information source for:**

**Manuals and pubs:**

**Information source for:**

**Activity:** Perform route recce formations

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

**Systems presenting cues:**

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.6.2.1.1.2

**BEHAVIOR:** Perform area search

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Locate targets of opportunity (armed recce)

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

TASK NO.: 1.7.6.2.1.2.1.1

BEHAVIOR: Locate known target using radar under normal conditions

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -34 checklist (CCRP)

Information source for: Radar procedures

Activity: Locate known target using radar

External environment: N/A

Aids: Available radar predictions and maps of target area

Product of previous task:

Initiation cues: Entering target area

Systems presenting cues: REO

---

STANDARD:

Authority: -34

Performance precision: Target designator box located in vicinity of target

Computational accuracy: N/A

**TASK NO.:** 1.7.6.2.1.2.1.2

**BEHAVIOR:** Locate known target using radar with jamming/radar degraded

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Locate known target using radar

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.6.2.1.2.2

**BEHAVIOR:** Locate known target visually

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.6.2.1.2.2.2

**BEHAVIOR:** Locate known target visually using ground references

---

**CONDITION:**

**Agency:** FAC, FIST

**Information source for:** Direction

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Locate known target visually

**External environment:** VMC

**Aids:** Map

**Product of previous task:** None

**Initiation cues:** Entering target area

**Systems presenting cues:** N/A

---

**STANDARD:**

**Authority:** N/A

**Performance precision:** N/A

**Computational accuracy:** N/A

TASK NO.: 1.7.6.2.1.2.3

BEHAVIOR: Locate known target using computed navigation

---

CONDITION:

Agency: NONE

Information source for: N/A

Manuals and pubs: -3<sup>4</sup>

Information source for: Procedures

Activity: Locate known target (preplanned/immediate)

External environment: N/A

Aids: MAP

Product of previous task: N/A

Initiation cues: N/A

Systems presenting cues: N/A

---

STANDARD:

Authority: 60-2

Performance precision: Locate target

Computational accuracy: N/A

**TASK NO.:** 1.7.6.2.2

**BEHAVIOR:** Locate target using external agencies

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**



TASK NO.: 1.7.6.2.2.1

BEHAVIOR: Locate target using TISL

---

CONDITION:

Agency: FIST, FAC

Information source for: General target area

Manuals and pubs: -34 checklist

Information source for: Procedures

Activity: Locate target using external agencies

External environment: VMC

Aids: None

Product of previous task: None

Initiation cues: Entering target area

Systems presenting cues: N/A

---

STANDARD:

Authority:

Performance precision: TBD

Computational accuracy:

TASK NO.: 1.7.6.2.2.2

BEHAVIOR: Locate target using beacon

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.2.2.2.1

BEHAVIOR: Locate beacon using radar

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -34 checklist

Information source for: Procedures

Activity: Locate target using beacon

External environment: N/A

Aids: None

Product of previous task:

Initiation cues: Entering target area

Systems presenting cues: REO

---

STANDARD:

Authority: -34

Performance precision: Target designator box in vicinity of target

Computational accuracy: N/A

**TASK NO.:** 1.7.6.2.2.2.2

**BEHAVIOR:** Positively identify beacon

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Locate target using beacon

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.6.2.2.3

**BEHAVIOR:** Locate target using ASRT

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.6.2.2.3.1

**BEHAVIOR:** Locate target using ASRT with tone

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Locate target using ASRT

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.6.2.2.4

**BEHAVIOR:** Locate target using SCAR aircraft

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.6.2.2.4.1

**BEHAVIOR:** Determine coordination procedures with SCAR aircraft from  
TACM 3-1

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Locate target using SCAR aircraft

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**



**TASK NO.:** 1.7.6.2.2.5

**BEHAVIOR:** Locate target using FAC/FIST

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

TASK NO.: 1.7.6.2.2.5.1

BEHAVIOR: Identify target from FAC/FIST description

---

CONDITION:

Agency: FAC

Information source for: Directions to target

Manuals and pubs: None

Information source for: N/A

Activity: Locate target using FAC/FIST

External environment: VMC

Aids: Map

Product of previous task: None

Initiation cues: Entering target area

Systems presenting cues: N/A

---

STANDARD:

Authority: 3-1

Performance precision: Target located within reasonable time

Computational accuracy: N/A

**TASK NO.:** 1.7.6.2.2.5.2

**BEHAVIOR:** Identify friendly positions (T.I.C.)

---

**CONDITION:**

**Agency:** FAC

**Information source for:** Friendly position

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Locate target using FAC/FIST

**External environment:** VMC

**Aids:** None

**Product of previous task:**

**Initiation cues:** Entering target area

**Systems presenting cues:** N/A

---

**STANDARD:**

**Authority:** N/A

**Performance precision:** N/A

**Computational accuracy:** N/A

TASK NO.: 1.7.6.2.2.5.3

BEHAVIOR: Update attack profile

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Locate target using FAC/FIST

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

**TASK NO.:** 1.7.6.2.2.6

**BEHAVIOR:** Locate target in hunter killer operation

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:**

**External environment:**

**Aids:**

. **Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.6.2.2.6.2

**BEHAVIOR:** Identify target in hunter killer operations

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Locate target in hunter killer operation

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.6.2.2.7

**BEHAVIOR:** Locate target using convoy commander's directions

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Locate target using external agencies

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

TASK NO.: 1.7.6.2.3

BEHAVIOR: Detect target anomalies

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:



TASK NO.: 1.7.6.3

BEHAVIOR: Perform attack maneuver

-----  
CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

-----  
STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.3.1

BEHAVIOR: Perform tactical attack from medium altitude

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.3.1.1

BEHAVIOR: Perform tactical attack from medium altitude using cloverleaf  
attack pattern

---

CONDITION:

Agency: NONE

Information source for: N/A

Manuals and pubs: TACM 3-1/SAT Training Manual

Information source for: Procedures

Activity: Perform tactical attack from medium altitude

External environment: VFR

Aids: NONE

Product of previous task: N/A

Initiation cues: N/A

Systems presenting cues: N/A

---

STANDARD:

Authority:

Performance precision: N/A

Computational accuracy:

TASK NO.: 1.7.6.3.1.2

BEHAVIOR: Perform tactical attack from medium altitude using standard box pattern (restricted run-in heading)

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform tactical attack from medium altitude

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

**TASK NO.:** 1.7.6.3.1.6

**BEHAVIOR:** Perform tactical attack from medium altitude using floating wheel attack pattern

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform tactical attack from medium altitude

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

TASK NO.: 1.7.6.3.1.8

BEHAVIOR: Perform tactical attack from medium altitude using  
noncurvilinear box pattern (T)

---

CONDITION:

Agency: Range TWR  
Information source for: Clearance/control

Manuals and pubs: SA Training Manual  
Information source for: Procedures

Activity: Perform tactical attack from medium altitude

External environment: VFR

Aids: NONE

Product of previous task: N/A

Initiation cues: N/A  
Systems presenting cues: N/A

---

STANDARD:

Authority: 60-2

Performance precision: Qualification

Computational accuracy: N/A

TASK NO.: 1.7.6.3.2

BEHAVIOR: Perform pop-up attack

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.3.2.1

BEHAVIOR: Perform single-ship pop-up attack

-----  
CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

-----  
STANDARD:

Authority:

Performance precision:

Computational accuracy:



TASK NO.: 1.7.6.3.2.1.1

BEHAVIOR: Perform direct pop-up attack

-----  
CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: TACR 55-16

Information source for: Regulations

Activity: Perform single-ship pop-up attack

External environment: VFR

Aids: Map

Product of previous task: None

Initiation cues: Time, DME, visual

Systems presenting cues: Navigation and navigation aids  
-----

STANDARD:

Authority: None (not performed)

Performance precision:

Computational accuracy: N/A

TASK NO.: 1.7.6.3.2.1.2

BEHAVIOR: Perform angle off pop-up attack

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: TACR 55-16

Information source for: Regulations

Activity: Perform single-ship pop-up attack

External environment: VFR

Aids: Map

Product of previous task: None

Initiation cues: Time, DME, visual

Systems presenting cues: Navigation and navigation aids

---

STANDARD:

Authority:

Performance precision: 51-50 qualification

Computational accuracy:

**TASK NO.:** 1.7.6.3.2.1.3

**BEHAVIOR:** Perform indirect pop-up attack

-----  
**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** TACR 55-16

**Information source for:** Regulations

**Activity:** Perform single-ship pop-up attack

**External environment:** VFR

**Aids:** Map

**Product of previous task:** Perform angle-off pop-up attack

**Initiation cues:** Time, DME, visual

**Systems presenting cues:** Navigation and navigation aids

-----  
**STANDARD:**

**Authority:**

**Performance precision:** 51-50 qualification

**Computational accuracy:**

TASK NO.: 1.7.6.3.2.2

BEHAVIOR: Perform multiple pop-up attack

---

CONDITION:

Agency:  
Information source for:

Manuals and pubs:  
Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:  
Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.3.2.2.1

BEHAVIOR: Perform maximum spacing pop-up attack

-----  
CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: TACR 55-16

Information source for: Regulations

Activity: Perform multiple pop-up attack

External environment: VFR

Aids: Map

Product of previous task: Perform angle-off pop-up attack

Initiation cues: TME, DME, visual

Systems presenting cues: Navigation and navigation aides

-----  
STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.3.2.2.2

BEHAVIOR: Perform minimum spacing pop-up attack

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: TACR 55-16

Information source for: Regulations

Activity: Perform multiple pop-up attack

External environment: VFR

Aids: Map

Product of previous task: Perform angle-off pop-up attack

Initiation cues: Time, DME, visual

Systems presenting cues: Navigation and navigation aids

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.3.2.2.3 .

BEHAVIOR: Perform split attack

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs:

Information source for:

Activity: Perform multiple pop-up attack

External environment: VFR

Aids: Map

Product of previous task:

Initiation cues: Time, visual, DME

Systems presenting cues: Navigation and navigation aids

---

STANDARD:

Authority:

Performance precision: IAW TACM 51-50

Computational accuracy:

TASK NO.: 1.7.6.3.3

BEHAVIOR: Perform loft/LADD type attack

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:



TASK NO.: 1.7.6.3.3.2

BEHAVIOR: Perform toss attack

---

CONDITION:

Agency: NONE

Information source for: N/A

Manuals and pubs: Sat Phase Manual

Information source for: Procedures

Activity: Perform loft/LADD type attack

External environment: N/A

Aids: NONE

Product of previous task: N/A

Initiation cues: N/A

Systems presenting cues: N/A

---

STANDARD:

Authority:

Performance precision: N/A

Computational accuracy:

TASK NO.: 1.7.6.3.3.3

BEHAVIOR: Perform loft attack

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform loft/LADD type attack

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy: N/A

TASK NO.: 1.7.6.3.3.4

BEHAVIOR: Perform LADD attack

---

CONDITION:

Agency: NONE

Information source for: N/A

Manuals and pubs: -39/SA Training Manual

Information source for: Procedures

Activity: Perform loft/LADD type attack

External environment: N/A

Aids: NONE

Product of previous task: N/A

Initiation cues: Select LADD or SCP

Systems presenting cues: SCP/HUD

---

STANDARD:

Authority: 60-2

Performance precision: Dual

Computational accuracy: N/A

TASK NO.: 1.7.6.3.4

BEHAVIOR: Perform level/laydown attack

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform attack maneuver

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.3.5

BEHAVIOR: Perform coordinated attack with other aircraft/flights

-----  
CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

-----  
STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.3.5.1

BEHAVIOR: Perform sequential attack

---

CONDITION:

Agency: NONE

Information source for: N/A

Manuals and pubs: TACM 3-1

Information source for: Procedures

Activity: Perform coordinated attack with other flights

External environment: VFR

Aids: NONE

Product of previous task: N/A

Initiation cues: N/A

Systems presenting cues: N/A

---

STANDARD:

Authority:

Performance precision: N/A

Computational accuracy:

TASK NO.: 1.7.6.3.5.2

BEHAVIOR: Perform offset trail attack

---

CONDITION:

Agency: NONE

Information source for: N/A

Manuals and pubs: N/A

Information source for: N/A

Activity: Perform coordinated attack with other aircraft within flight

External environment: VFR

Aids: NONE

Product of previous task: N/A

Initiation cues: Visual

Systems presenting cues:

---

STANDARD:

Authority: N/A

Performance precision: N/A

Computational accuracy: N/A

TASK NO.: 1.7.6.3.5.4

BEHAVIOR: Perform random attack

---

CONDITION:

Agency: N/A

Information source for: N/A

Manuals and pubs: N/A

Information source for: N/A

Activity: Perform coordinated attack with other aircraft within flight

External environment: VFR

Aids: NONE

Product of previous task: N/A

Initiation cues: Visual

Systems presenting cues:

---

STANDARD:

Authority: N/A

Performance precision: N/A

Computational accuracy: N/A



TASK NO.: 1.7.6.4.1.1.1

BEHAVIOR: Deliver Maverick using EO system

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -34

Information source for: Procedures

Activity: Deliver ordnance using electro-optical system

External environment: VMC

Aids: None

Product of previous task: None

Initiation cues: On final

Systems presenting cues: HUD

---

STANDARD:

Authority:

Performance precision: TBD

Computational accuracy: N/A

TASK NO.: 1.7.6.4.1.1.2

BEHAVIOR: Deliver HOB0 using EO system

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -34

Information source for: Procedures

Activity: Deliver ordnance using electro-optical systems

External environment: VMC

Aids: None

Product of previous task: None

Initiation cues: On final

Systems presenting cues: HUD

---

STANDARD:

Authority:

Performance precision: TBD

Computational accuracy: None

TASK NO.: 1.7.6.4.1.1.3

BEHAVIOR: Deliver ordnance using Pave Penny EO system

-----  
CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -34

Information source for: Procedures

Activity: Deliver ordnance using electro-optical system

External environment: VMC

Aids: None

Product of previous task: None

Initiation cues: On final

Systems presenting cues: HUD

-----  
STANDARD:

Authority:

Performance precision: TBD

Computational accuracy: N/A

TASK NO.: 1.7.6.4.1.2.1.1

BEHAVIOR: Deliver free-fall munitions using CCIP mode

-----  
CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -34 checklist

Information source for: Procedures

Activity: Deliver ordnance using CCIP mode

External environment: VMC

Aids: None

Product of previous task: None

Initiation cues: On final

Systems presenting cues: HUD

-----  
STANDARD:

Authority: 55-89

Performance precision: Qualify IAW 55-89 criteria

Computational accuracy: N/A

TASK NO.: 1.7.6.4.1.2.1.2

BEHAVIOR: Deliver rockets using CCIP mode

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Delivery ordance using CCIP mode

External environment: VMC

Aids: None

Product of previous task: None

Initiation cues: On.final

Systems presenting cues: HUD

---

STANDARD:

Authority: 55-89

Performance precision: Qualify IAW 55-89 criteria

Computational accuracy: N/A

TASK NO.: 1.7.6.4.1.2.1.3

BEHAVIOR: Strafe using CCIP mode

-----  
CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -34 checklist

Information source for: Procedures

Activity: Deliver ordnance using CCIP mode

External environment: VMC

Aids: None

Product of previous task: None

Initiation cues: On final

Systems presenting cues: HUD

-----  
STANDARD:

Authority: 55-39

Performance precision: Qualify IAW 55-89 criteria

Computational accuracy: N/A

TASK NO.: 1.7.6.4.1.2.2

BEHAVIOR: Deliver ordnance using VIP mode

---

CONDITION:

Agency: NONE

Information source for: N/A

Manuals and pubs: -34/SAT Training Manual

Information source for: Procedures

Activity: Deliver ordnance using computed system

External environment: VMC

Aids: NONE

Product of previous task: N/A

Initiation cues: Select VIP mode

Systems presenting cues: HUD

---

STANDARD:

Authority: 55-89

Performance precision: Qual.

Computational accuracy: N/A

TASK NO.: 1.7.6.4.1.2.3

BEHAVIOR: Deliver ordnance using VLADD mode

-----  
CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Deliver ordnance using computed system

External environment: VMC

Aids: None

Product of previous task: None

Initiation cues: On final

Systems presenting cues: HUD

-----  
STANDARD:

Authority: 55-89

Performance precision: TBD

Computational accuracy: N/A



TASK NO.: 1.7.6.4.1.2.4

BEHAVIOR: Deliver ordnance using DTOS mode

-----  
CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -34 checklist

Information source for: Procedures

Activity: Deliver ordnance using computed system

External environment: VMC

Aids: None

Product of previous task: None

Initiation cues: On final

Systems presenting cues: HUD

-----  
STANDARD:

Authority: 55-89

Performance precision: Qualify IAW 55-89 criteria

Computational accuracy: N/A

TASK NO.: 1.7.6.4.1.3.1

BEHAVIOR: Deliver free-fall munitions manually

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

**TASK NO.:** 1.7.6.4.1.3.1.2

**BEHAVIOR:** Deliver nuclear munitions manually using LADD delivery

-----  
**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Deliver free-fall munitions manually

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

-----  
**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

TASK NO.: 1.7.6.4.1.3.1.3

BEHAVIOR: Deliver free-fall munitions manually using level delivery  
(VLD)

---

CONDITION:

Agency: None  
Information source for: N/A

Manuals and pubs: None  
Information source for: N/A

Activity: Deliver free-fall munitions manually

External environment: VMC

Aids: None

Product of previous task: None

Initiation cues: On final  
Systems presenting cues: HUD/FCNP

---

STANDARD:

Authority: 55-89

Performance precision: Deliver ordnance on target within required  
parameters

Computational accuracy: N/A

TASK NO.: 1.7.6.4.1.3.1.4

BEHAVIOR: Deliver free-fall munitions manually using dive deliveries

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Deliver free-fall munitions manually

External environment: VMC

Aids: None

Product of previous task:

Initiation cues: On final

Systems presenting cues: HUD

---

STANDARD:

Authority: 55-89

Performance precision: TBD

Computational accuracy:

TASK NO.: 1.7.6.4.1.3.2

BEHAVIOR: Deliver rockets manually

-----  
CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Deliver ordnance manually

External environment: VMC

Aids: None

Product of previous task: None

Initiation cues: On final

Systems presenting cues: HUD

-----  
STANDARD:

Authority: 55-89

Performance precision: TBD

Computational accuracy: N/A

TASK NO.: 1.7.6.4.1.3.3

BEHAVIOR: Strafe using manual pipper

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Deliver ordnance manually

External environment: VMC

Aids: None

Product of previous task: None

Initiation cues: On final

Systems presenting cues: HUD

---

STANDARD:

Authority: 55-89

Performance precision: TBD

Computational accuracy:

TASK NO.: 1.7.6.4.1.3.4

BEHAVIOR: Deliver flares manually

-----  
CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Deliver ordnance manually

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

-----  
STANDARD:

Authority:

Performance precision:

Computational accuracy:



TASK NO.: 1.7.6.4.2.1

BEHAVIOR: Deliver ordnance using CCRP mode

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -34

Information source for: Procedures

Activity: Delivery ordnance using radar

External environment: N/A

Aids: Radar prediction

Product of previous task: None

Initiation cues: On final

Systems presenting cues: HUD/FCNP/REO

---

STANDARD:

Authority: -34, 55-89

Performance precision: TBD

Computational accuracy: N/A

TASK NO.: 1.7.6.4.2.2

BEHAVIOR: Deliver ordnance using LADD mode

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -34

Information source for: Procedures

Activity: Deliver ordnance using radar

External environment: N/A

Aids: Radar predictions

Product of previous task: None

Initiation cues: On final

Systems presenting cues: HUD

---

STANDARD:

Authority: -25, 55-89

Performance precision: TBD

Computational accuracy: N/A

TASK NO.: 1.7.6.4.2.3

BEHAVIOR: Deliver ordnance using Beacon mode

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -34

Information source for: Procedures

Activity: Deliver ordnance using radar

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: On final

Systems presenting cues: REO

---

STANDARD:

Authority: 55-89

Performance precision: TBD

Computational accuracy: N/A

TASK NO.: 1.7.6.5.1

BEHAVIOR: Perform recovery/escape maneuver following toss delivery (for attitude recovery)

---

CONDITION:

Agency: NONE

Information source for: N/A

Manuals and pubs: SAT Training Manual

Information source for: Procedures

Activity: Perform recovery/escape maneuver

External environment: N/A

Aids: NONE

Product of previous task: N/A

Initiation cues: Flashing FPM indicating bomb release

Systems presenting cues: HUD

---

STANDARD:

Authority:

Performance precision: N/A

Computational accuracy:

TASK NO.: 1.7.6.5.2

BEHAVIOR: Perform recovery/escape maneuver following LADD delivery (for  
safe escape)

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform recovery/escape maneuver

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.5.3.1

BEHAVIOR: Perform recovery/escape maneuver straight ahead following level delivery

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform recovery/escape maneuver following level delivery

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

**TASK NO.:** 1.7.6.5.3.2

**BEHAVIOR:** Perform recovery/escape maneuver following level delivery  
using pull off for frag clearance

-----  
**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform recovery/escape maneuver following level delivery

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

-----  
**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.6.5.4.1

**BEHAVIOR:** Perform recovery/escape maneuver following dive delivery  
using pull off for ground clearance

-----  
**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform recovery/escape maneuver following dive delivery

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

-----  
**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**



**TASK NO.:** 1.7.6.5.4.2

**BEHAVIOR:** Perform recovery/escape maneuver following dive delivery  
using pull off for frag clearance

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform recovery/escape maneuver following dive delivery

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

TASK NO.: 1.7.6.6

BEHAVIOR: Perform bomb damage assessment

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform air-to-surface combat

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.7

BEHAVIOR: Perform reattack

-----  
CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

-----  
STANDARD:

Authority:

Performance precision:

Computational accuracy:

**TASK NO.:** 1.7.6.7.1.1

**BEHAVIOR:** Perform manual delivery error analysis

---

**CONDITION:**

**Agency:** NONE

**Information source for:** N/A

**Manuals and pubs:** SA Training Manual

**Information source for:** Procedures

**Activity:** Perform delivery error analysis

**External environment:** VMC

**Aids:** NONE

**Product of previous task:** NONE

**Initiation cues:** After bomb impact

**Systems presenting cues:** NONE

---

**STANDARD:**

**Authority:**

**Performance precision:** N/A

**Computational accuracy:**

TASK NO.: 1.7.6.7.1.2

BEHAVIOR: Perform computed delivery error analysis

---

CONDITION:

Agency: NONE

Information source for: N/A

Manuals and pubs: SA Training Manual

Information source for: Procedures

Activity: Perform delivery error analysis

External environment: VMC

Aids: NONE

Product of previous task: N/A

Initiation cues: After bomb impact

Systems presenting cues: NONE

---

STANDARD:

Authority:

Performance precision: N/A

Computational accuracy:

TASK NO.: 1.7.6.7.2

BEHAVIOR: Perform repositioning maneuvers

-----  
CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform reattack

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

-----  
STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.8.1

BEHAVIOR: Perform air-to-surface combat with restricted visibility

-----  
CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

-----  
STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.8.1.1

BEHAVIOR: Perform air-to-surface combat at night

-----  
CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

-----  
STANDARD:

Authority:

Performance precision:

Computational accuracy:



TASK NO.: 1.7.6.8.1.1.1

BEHAVIOR: Perform air-to-surface combat at night with flares

---

CONDITION:

Agency: None  
Information source for: N/A

Manuals and pubs: None  
Information source for: N/A

Activity: Perform air-to-surface combat at night

External environment: Night/VMC

Aids: None

Product of previous task: None

Initiation cues: Entering target area  
Systems presenting cues: N/A

---

STANDARD:

Authority: 55-89

Performance precision: TBD

Computational accuracy: N/A

TASK NO.: 1.7.6.8.1.2

BEHAVIOR: Perform air-to-surface combat in weather

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform air-to-surface combat with visibility restricted

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.8.2

BEHAVIOR: Adjust attack for specific targets

-----  
CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

-----  
STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.8.3

BEHAVIOR: Compensate for ground situation/rules of engagement

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform air-to-surface combat in specialized situations

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.8.4

BEHAVIOR: Compensate for type of ordnance (e.g., near friendly forces)

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform air-to-surface combat in specialized situations

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.8.5

BEHAVIOR: Compensate for heavyweight condition

-----  
CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform air-to-surface attack in specialized situations

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

-----  
STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.6.9.1.1

BEHAVIOR: Perform manned range patterns (T)

-----  
CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform controlled range procedures (T)

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

-----  
STANDARD:

Authority:

Performance precision:

Computational accuracy:

**TASK NO.:** 1.7.6.9.2.1

**BEHAVIOR:** Perform unmanned range clearing procedures (T)

-----  
**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform uncontrolled range procedures

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

-----  
**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**



**TASK NO.:** 1.7.6.9.3

**BEHAVIOR:** Perform abnormal/emergency range procedures (T)

-----  
**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform range procedures (T)

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

-----  
**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.6.9.3.1

**BEHAVIOR:** Perform range radio failure procedures (T)

-----  
**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform abnormal/emergency range procedures (T)

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

-----  
**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.6.9.3.2

**BEHAVIOR:** Perform range inadvertant release procedures (T)

-----  
**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform abnormal/emergency range procedures (T)

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

-----  
**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

TASK NO.: 1.7.7

BEHAVIOR: Perform egress

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.7.1

BEHAVIOR: Regain mutual support/rejoin

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Perform egress

External environment: VMC

Aids: None

Product of previous task: None

Initiation cues: Recovered from weapons delivery pass

Systems presenting cues: N/A

---

STANDARD:

Authority: N/A

Performance precision: N/A

Computational accuracy: N/A

TASK NO.: 1.7.7.2

BEHAVIOR: Perform post strike Ops check

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -1

Information source for: Limitations

Activity: Perform egress

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Out of target area

Systems presenting cues: N/A

---

STANDARD:

Authority: N/A

Performance precision: N/A

Computational accuracy: N/A

TASK NO.: 1.7.7.3

BEHAVIOR: Perform battle damage check

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Perform egress

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Clear of target area

Systems presenting cues: N/A

---

STANDARD:

Authority: N/A

Performance precision: N/A

Computational accuracy: N/A

TASK NO.: 1.7.7.4.1

BEHAVIOR: Perform manned range departure (T)

---

CONDITION:

Agency: NONE

Information source for: N/A

Manuals and pubs: TACR 55-16 ch. 8

Information source for: Procedures

Activity: Perform range departure (T)

External environment: VMC

Aids: NONE

Product of previous task: N/A

Initiation cues: Ordnance expended

Systems presenting cues: NONE

---

STANDARD:

Authority: TACR 55-16

Performance precision: In accordance with TACR 55-16 ch. 8 procedures

Computational accuracy: N/A



**TASK NO.:** 1.7.7.4.2

**BEHAVIOR:** Perform unmanned range departure (T)

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform range departure (T)

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

TASK NO.: 1.7.8

BEHAVIOR: Respond to threat

-----  
CONDITION:

Agency:  
Information source for:

Manuals and pubs:  
Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:  
Systems presenting cues:

-----  
STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.8.1.1

BEHAVIOR: Identify threat

-----  
CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Respond to immediate threat

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

-----  
STANDARD:

Authority:

Performance precision:

Computational accuracy: -

TASK NO.: 1.7.8.1.1.1.1

BEHAVIOR: Interpret RWR

-----  
CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -34

Information source for: Operation of RWR

Activity: Locate threat

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Entering threat area

Systems presenting cues: Navigation and navigation aids, TACAN

-----  
STANDARD:

Authority: 60-2

Performance precision: Identify threat correctly within 5 seconds

Computational accuracy: N/A

TASK NO.: 1.7.8.1.1.1.2

BEHAVIOR: Perform visual search for threat

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs:

Information source for:

Activity: Locate threat

External environment: VMC

Aids: None

Product of previous task: None

Initiation cues: Entering threat area

Systems presenting cues: N/A

---

STANDARD:

Authority: N/A

Performance precision: N/A

Computational accuracy: N/A

TASK NO.: 1.7.8.1.1.2

BEHAVIOR: Identify AAA

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Identify threat

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.8.1.1.3

BEHAVIOR: Identify SAMs (eventually WST)

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Identify threat

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.8.1.1.4.1

BEHAVIOR: Identify enemy aircraft

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Identify air-to-air threat

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:



TASK NO.: 1.7.8.1.1.4.2

BEHAVIOR: Identify air-to-air missiles

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Identify air-to-air threat

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.8.1.2.1

BEHAVIOR: Respond to AAA

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.8.1.2.1.1

BEHAVIOR: Perform AAA evasive maneuver (jink)

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Respond to AAA

External environment: VMC

Aids: None

Product of previous task: None

Initiation cues: Radio call, RWR strobe, visual

Systems presenting cues: Communications, RWR

---

STANDARD:

Authority:

Performance precision: TBD

Computational accuracy: N/A

TASK NO.: 1.7.8.1.2.1.2

BEHAVIOR: Perform AAA counteroffensive maneuver

-----  
CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Respond to AAA

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

-----  
STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.8.1.2.2.1

BEHAVIOR: Perform SAM evasive maneuver

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Respond to SAM

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Sam acquired visually or on RWR

Systems presenting cues: RWR

---

STANDARD:

Authority: 60-2

Performance precision: Timely and appropriate evasive action

Computational accuracy: N/A

TASK NO.: 1.7.8.1.2.2.2

BEHAVIOR: Dispense chaff/flares against SAM threat

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -34

Information source for: Procedures

Activity: Respond to SAM

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Operational directive/SAM launch

Systems presenting cues: RWR

---

STANDARD:

Authority:

Performance precision: TBD

Computational accuracy: N/A

TASK NO.: 1.7.8.1.2.3.1

BEHAVIOR: Dispense chaff/flares against air-to-air threat

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Respond to air-to-air threat

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.8.1.2.4

BEHAVIOR: Jettison ordnance/stores

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -34

Information source for: SMS procedures

Activity: Respond to threat

External environment: N/A

Aids: TBD

Product of previous task: None

Initiation cues:

Systems presenting cues: N/A

---

STANDARD:

Authority: -34

Performance precision: Accurately IAW -34 procedures

Computational accuracy: N/A



TASK NO.: 1.7.8.1.2.5

BEHAVIOR: Employ ECM

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -34 checklist

Information source for: ECM switchology

Activity: Respond to threat

External environment: Radar guided threat environment

Aids: None

Product of previous task: None

Initiation cues: Operational directive/threat activity

Systems presenting cues: AN/ALR-69

---

STANDARD:

Authority: -34

Performance precision: Obtain proper visual indications of operations within 30 seconds

Computational accuracy: N/A

TASK NO.: 1.7.8.1.2.6

BEHAVIOR: Respond to battle damage

---

CONDITION:

Agency: GCI

Information source for: Nearest emergency base/information

Manuals and pubs: -1

Information source for: Procedures

Activity: Respond to threat

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Detect battle damage

Systems presenting cues: Any aircraft system

---

STANDARD:

Authority: -1

Performance precision: 100% accuracy

Computational accuracy: N/A

**TASK NO.:** 1.7.8.2.5

**BEHAVIOR:** Use jammer support (yours and others')

-----  
**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Respond to potential threat

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

-----  
**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.9

**BEHAVIOR:** Coordinate with search and rescue (SAR) effort

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:**

**Information source for:**

**Activity:** Perform combat

**External environment:** N/A

**Aids:** None

**Product of previous task:** None

**Initiation cues:**

**Systems presenting cues:**

---

**STANDARD:**

**Authority:** N/A

**Performance precision:** N/A

**Computational accuracy:** N/A.

**TASK NO.:** 1.7.10.1.1

**BEHAVIOR:** Perform tactical communications with GCI/AWACS

-----  
**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform tactical communications with controlling agency

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

-----  
**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

**TASK NO.:** 1.7.10.1.2

**BEHAVIOR:** Perform tactical communications with FAC/FIST (including  
FAC/FIST consent)

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Perform tactical communications with controlling agency

**External environment:**

**Aids:**

**Product of previous task:**

**Initiation cues:**

Systems presenting cues:

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:**

TASK NO.: 1.7.10.1.3

BEHAVIOR: Perform tactical communications with ASRT/skyspot

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Perform tactical communications with controlling agency

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.10.2

BEHAVIOR: Respond to comm jamming

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Perform tactical communications

External environment: N/A

Aids: Frequency card

Product of previous task: None

Initiation cues: Receive comm jamming

Systems presenting cues: Communications

---

STANDARD:

Authority: 3-1

Performance precision: Respond appropriately to comm jamming environment

Computational accuracy: N/A



**TASK NO.:** 1.7.10.3

**BEHAVIOR:** Communicate using secure voice

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** -34

**Information source for:** Secure voice procedures

**Activity:** Perform tactical communications

**External environment:** N/A

**Aids:** None

**Product of previous task:** None

**Initiation cues:** On direction/operational requirements

**Systems presenting cues:** Secure voice

---

**STANDARD:**

**Authority:** Class -34

**Performance precision:** Able to select and communicate with 5 seconds of cue

**Computational accuracy:** N/A

TASK NO.: 1.7.10.4

BEHAVIOR: Perform authentication procedures

---

CONDITION:

Agency: Directing agency  
Information source for: Information

Manuals and pubs: None  
Information source for: N/A

Activity: Perform tactical communications

External environment: N/A

Aids: Authentication materials

Product of previous task: None

Initiation cues: Authentication required  
Systems presenting cues: Communications

---

STANDARD:

Authority:

Performance precision:

Computational accuracy:

TASK NO.: 1.7.10.5

BEHAVIOR: Perform descriptive and directive commentary

-----  
CONDITION:

Agency: AWACS/GCI/other aircraft  
Information source for: Threat activity

Manuals and pubs: None  
Information source for: N/A

Activity: Perform tactical communications

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Radar or visual contact, RWR  
Systems presenting cues: REO, RWR

-----  
STANDARD:

Authority: 3-1

Performance precision: Transmits appropriate information using  
brevity code

Computational accuracy: N/A

TASK NO.: 1.7.10.6.1

BEHAVIOR: Perform visual flight coordination (comm out)

---

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: None

Information source for: N/A

Activity: Perform flight coordination

External environment: VMC

Aids: None

Product of previous task: None

Initiation cues: As briefed

Systems presenting cues: N/A

---

STANDARD:

Authority:

Performance precision: TBD

Computational accuracy: N/A

**TASK NO.:** 1.7.10.6.2

**BEHAVIOR:** Perform radio flight coordination

---

**CONDITION:**

**Agency:** None

**Information source for:** N/A

**Manuals and pubs:** None

**Information source for:** N/A

**Activity:** Perform flight coordination

**External environment:** N/A

**Aids:** None

**Product of previous task:** None

**Initiation cues:** Strikes with more than one aircraft

**Systems presenting cues:** N/A

---

**STANDARD:**

**Authority:**

**Performance precision:** TBD

**Computational accuracy:** N/A

TASK NO.: 1.7.10.7.1

BEHAVIOR: Accomplish flight report

---

CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity: Accomplish inflight reports

External environment: N/A

Aids:

Product of previous task: None

Initiation cues: Egressing target area

Systems presenting cues: Navigation and navigation aids

---

STANDARD:

Authority:

Performance precision:

Computational accuracy: N/A

**TASK NO.:** 1.7.10.7.2

**BEHAVIOR:** Accomplish spot report

---

**CONDITION:**

**Agency:**

Information source for:

**Manuals and pubs:**

Information source for:

**Activity:** Accomplish inflight reports

**External environment:** N/A

**Aids:**

**Product of previous task:** None

**Initiation cues:** Identified intelligence of immediate importance

**Systems presenting cues:** N/A

---

**STANDARD:**

**Authority:**

**Performance precision:**

**Computational accuracy:** N/A

**TASK NO.:** 1.7.10.8

**BEHAVIOR:** Perform normal range radio procedures (T)

-----  
**CONDITION:**

**Agency:** Range tower/range officer  
**Information source for:** Control/clearance

**Manuals and pubs:** SA Training Manual  
**Information source for:** Procedures

**Activity:** Perform tactical communications

**External environment:** VMC

**Aids:** NONE

**Product of previous task:** N/A

**Initiation cues:** N/A  
**Systems presenting cues:** N/A

-----  
**STANDARD:**

**Authority:**

**Performance precision:** N/A

**Computational accuracy:**



TASK NO.: 1.7.11

BEHAVIOR: Identify and respond to weapons systems malfunctions

-----  
CONDITION:

Agency:

Information source for:

Manuals and pubs:

Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:

Systems presenting cues:

-----  
STANDARD:

Authority:

Performance precision:

Computational accuracy:

**TASK NO.:** 1.7.11.1

**BEHAVIOR:** Identify and respond to avionics malfunctions

---

**CONDITION:**

**Agency:** NONE

**Information source for:** N/A

**Manuals and pubs:** SA Training Manual

**Information source for:** Procedures

**Activity:** Identify and respond to weapons systems malfunctions

**External environment:** N/A

**Aids:** NONE

**Product of previous task:** N/A

**Initiation cues:** Bad bombs or caution lights

**Systems presenting cues:** Caution lights

---

**STANDARD:**

**Authority:**

**Performance precision:** N/A

**Computational accuracy:**

TASK NO.: 1.7.11.2

BEHAVIOR: Identify and respond to ordnance failure to release

---

CONDITION:

Agency: GCI

Information source for: Jettison area

Manuals and pubs: -34

Information source for: Procedures

Activity: Identify and respond to weapons system malfunctions

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Ordnance hung

Systems presenting cues: SMS

---

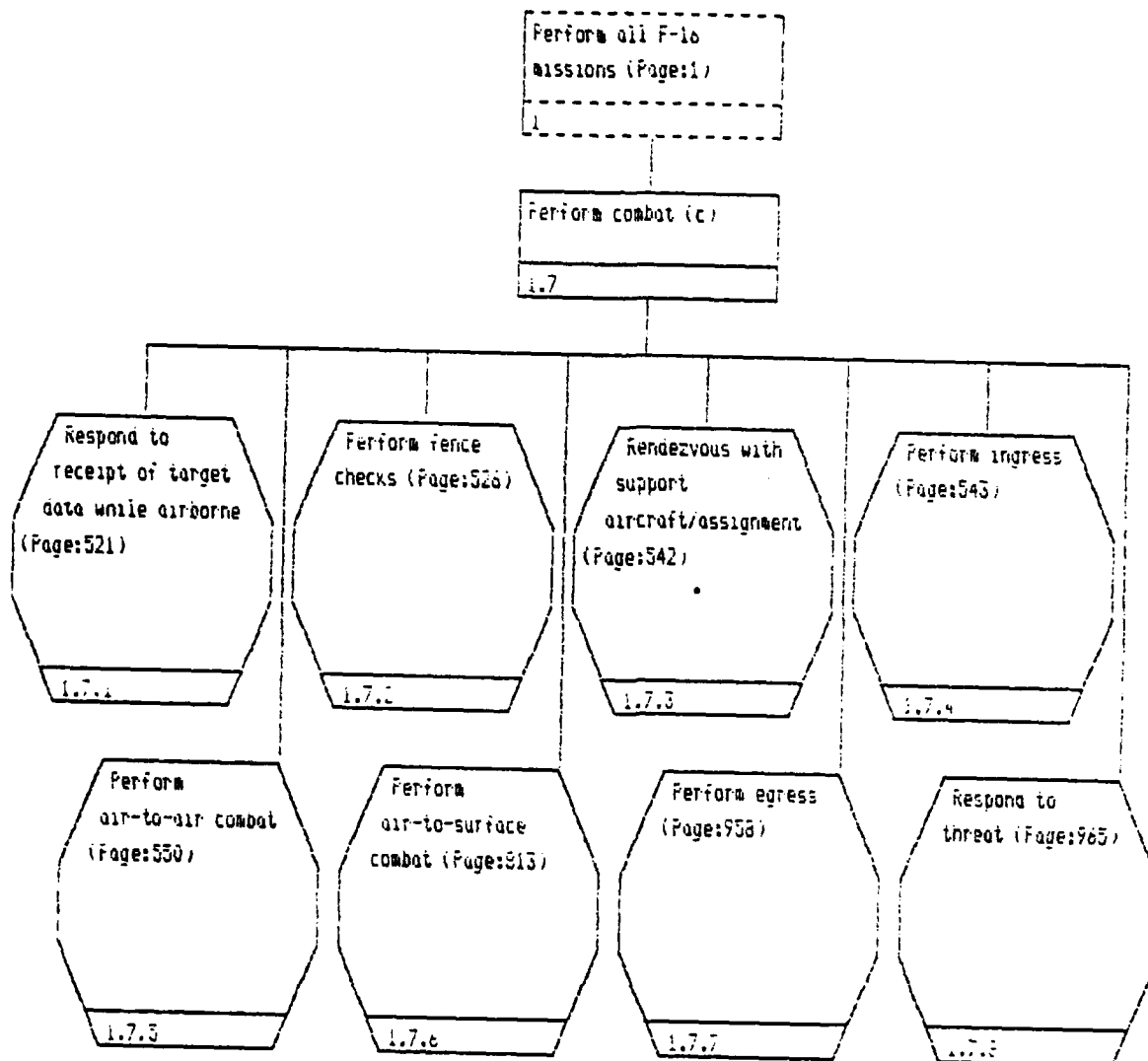
STANDARD:

Authority: N/A

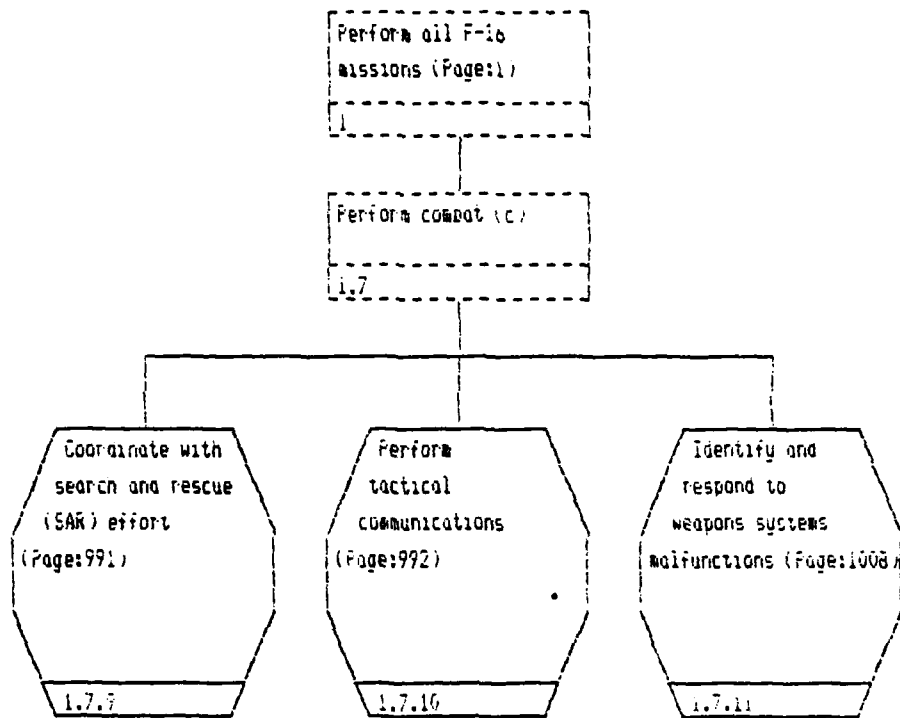
Performance precision: N/A

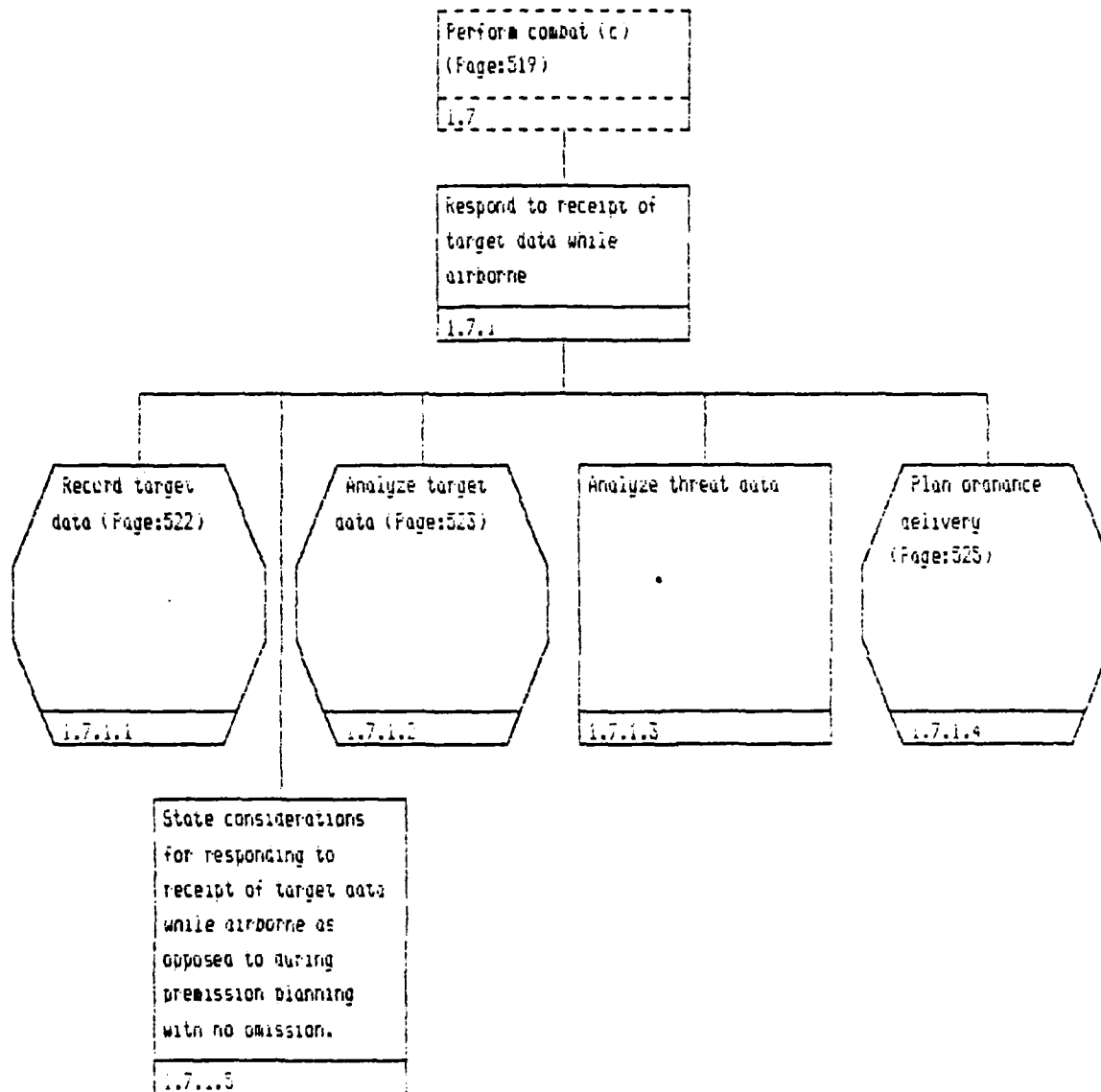
Computational accuracy: N/A

Continued on page: 520



Continued from page: 519





Respond to receipt of  
target data while  
airborne (Page:521)

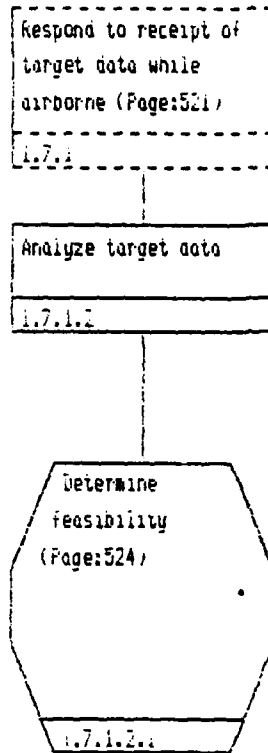
1.7.1

Record target data

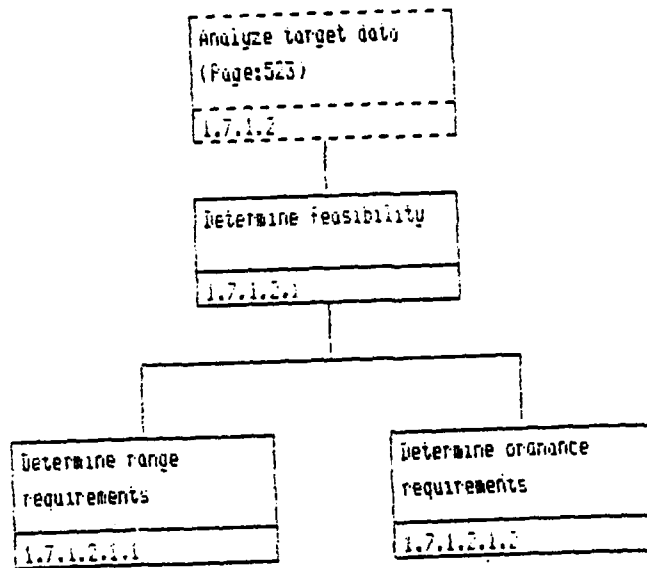
1.7.1.1

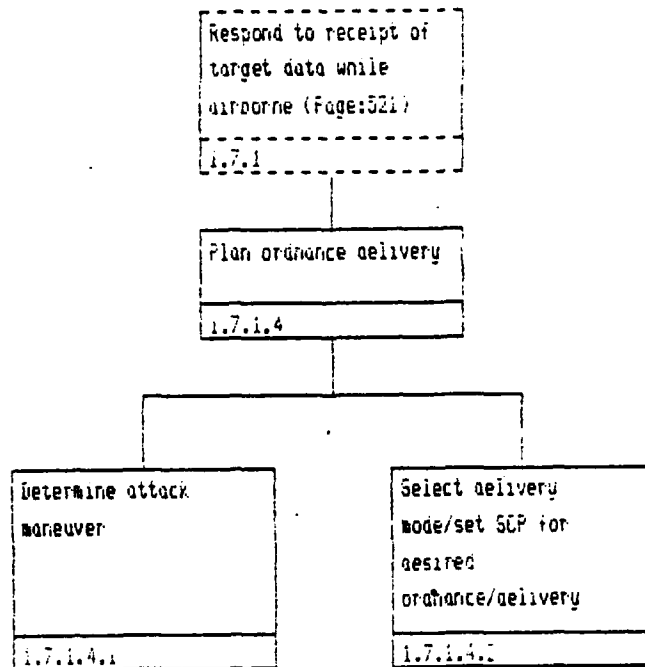
Authenticate

1.7.1.1.1

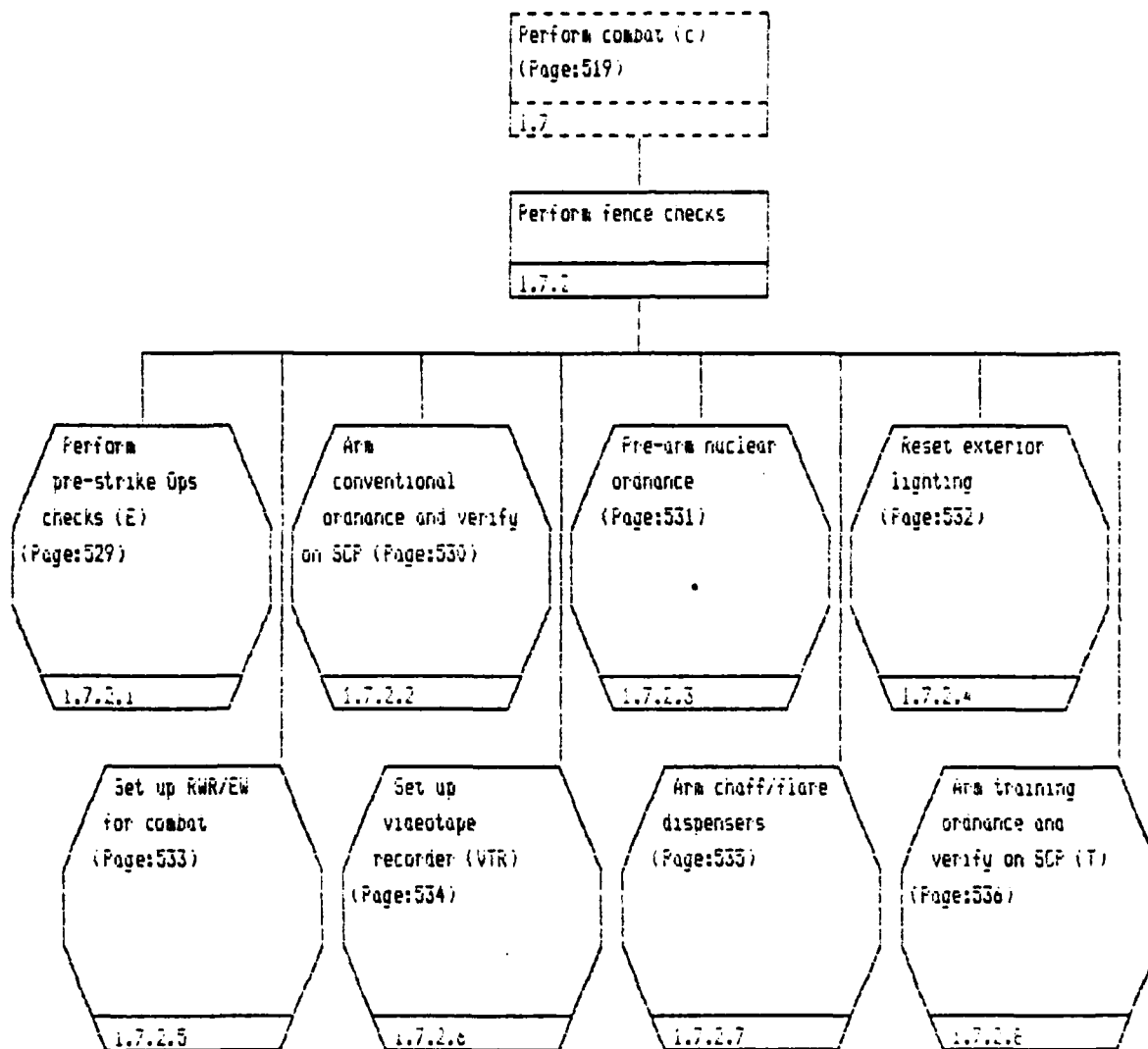






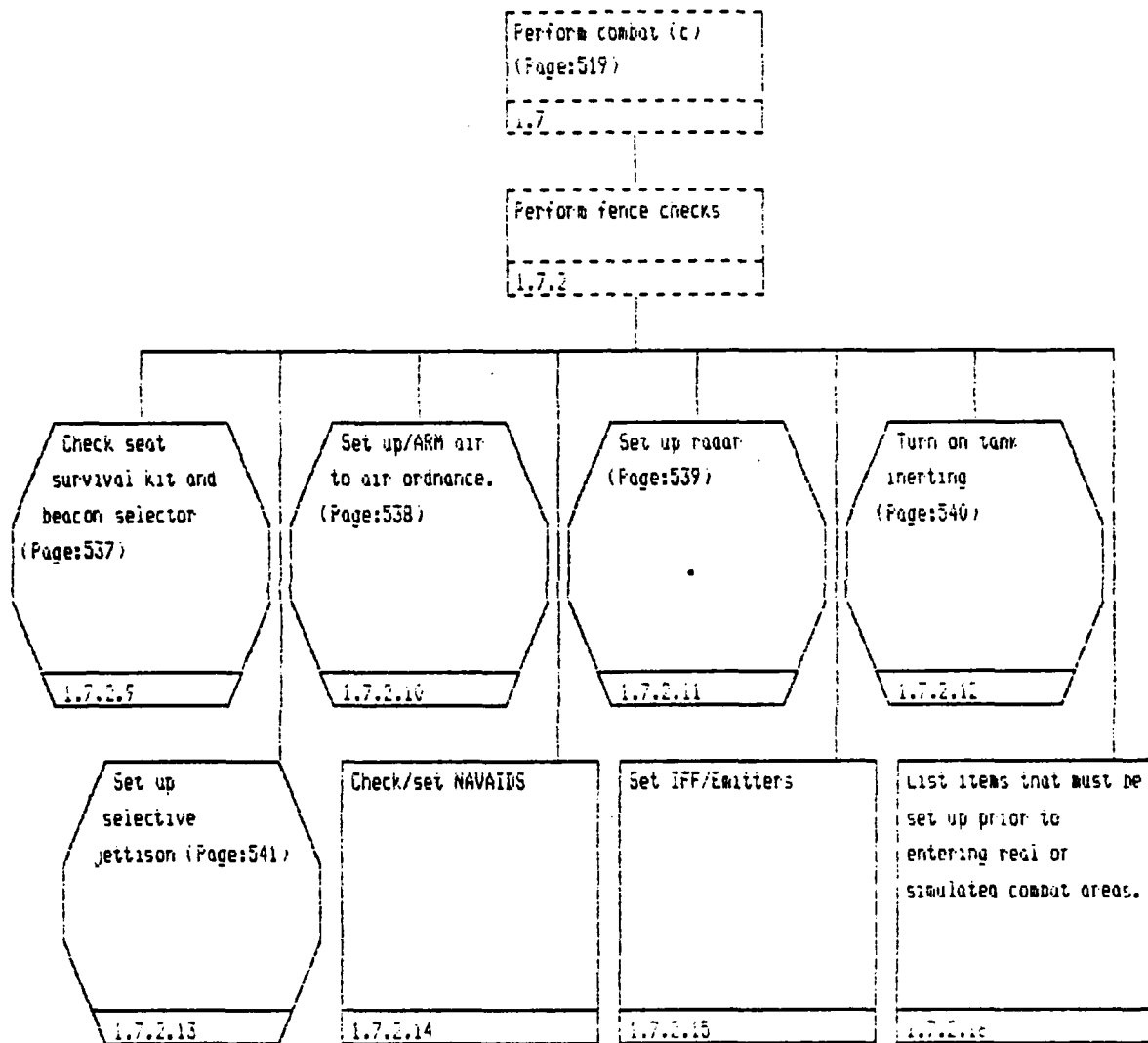


Continued on page: 527



Continued from page: 526

Continued on page: 528



Continued from page: 527

Perform combat (C)  
(Page:519)

1.7

Perform fence checks

1.7.2

List the items that  
must be accomplished  
during a "fence  
attack" prior to  
entering a real or  
simulated combat area  
(air-to-surface).

1.7.2.17

Perform fence checks  
(Page:526)

1.7.2

Perform pre-strike ops  
checks (E)

1.7.2.1

Have the items included  
in a pre-strike ops  
check in correct order  
with no omissions.

1.7.2.1.1

Perform fence checks  
(Page:526)

1.7.2

Arm conventional  
ordnance and verify on  
SCP

1.7.2.2

State the procedure for  
arming conventional  
ordnance and verifying  
on SCP with no  
omissions  
(system--weapons/SMS:  
operate SCP)

1.7.2.2.1

Perform fence checks

(Page:526)

1.7.2

Pre-arm nuclear ordnance

1.7.2.3

State the procedure for  
pre-arming nuclear  
ordnance including  
associated notes,  
cautions, warnings,  
critical values,  
tolerances and limits  
with no omissions.  
(System--weapons/ShS:  
operate SCP.)

1.7.2.3.1



Perform fence checks  
(Page:526)

1.7.2

Reset exterior lighting

1.7.2.4

State the  
considerations for  
setting exterior  
lighting during fence  
check with no  
omissions.  
(System--lighting.)

1.7.2.4.1

Perform fence checks  
(Page:526)

1.7.2

Set up RWR/EW for combat

1.7.2.3

Given RWR modes,  
identify the situations  
where each may or  
should be employed  
without error. •  
(System--penetration  
aids; operate RWR.)

1.7.2.3.1

Perform fence checks  
(Pages 526)

1.7.2

Set up videotape  
recorder (VTR)

1.7.2.6

State the steps in the  
procedure for setting  
up videotape recorder  
(VTR) in correct order  
and with no omissions.

1.7.2.6.1

Perform fence checks  
(Page:526)

1.7.2

Arm chaff/flare  
dispensers

1.7.2.7

State the procedure for  
setting up chaff/flare  
dispensing in correct  
order and with no  
omissions. (Trivial)  
(System--penetration  
aids.)

1.7.2.7.1

Perform fence checks  
(Page:536)  
1.7.2

Arm training ordnance  
and verify on SCP (T)  
1.7.2.8

State the procedure for  
arming training  
ordnance and verifying  
on SCP, in correct  
order and with no  
omissions.  
(System--weapons/SMS.)  
1.7.2.8.1

Perform fence checks  
(Page:526)  
1.7.2

Check seat survival kit  
and beacon selector  
1.7.2.9

State the  
considerations for  
setting seat survival  
kit selector with no  
omissions  
(system--escape).  
1.7.2.9.1

Perform fence checks  
(Page:526)

1.7.2

Set up/ARM air to air  
ordnance.

1.7.2.10

State the procedure for  
AIM-9 missile set up  
including tactical  
considerations with no  
omissions  
(system--weapons: SMS;  
operate SCP).

1.7.2.10.1

Perform fence checks  
(Page: 526)

1.7.2

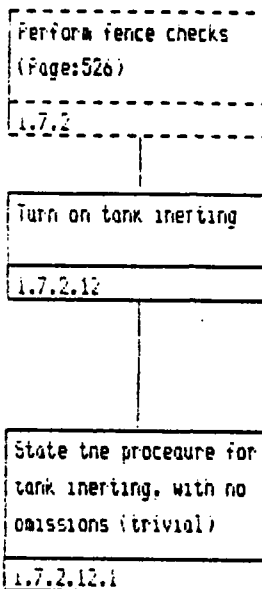
Set up radar

1.7.2.11

State the  
considerations for  
setting up the radar  
during fence check,  
with no omissions.  
(System--Radar: operate  
radar.)

1.7.2.11.1

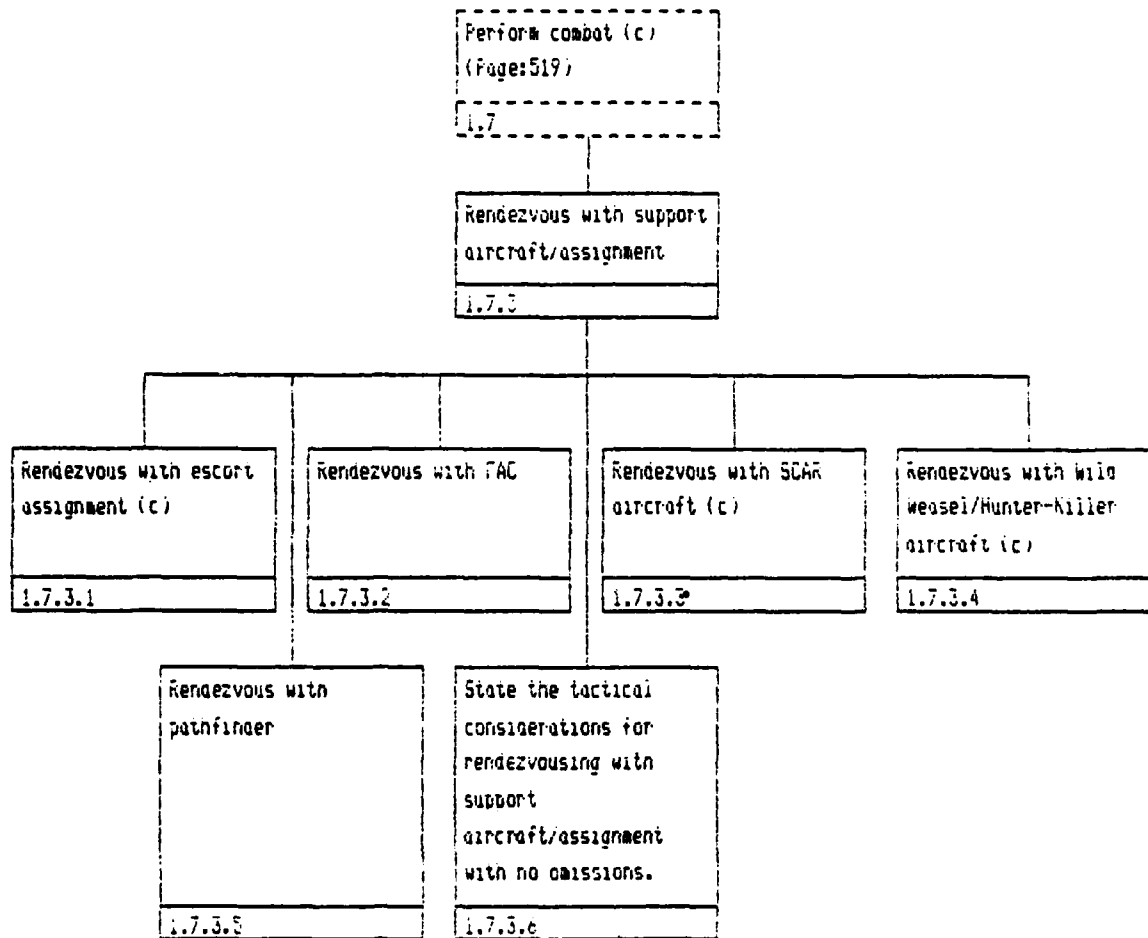


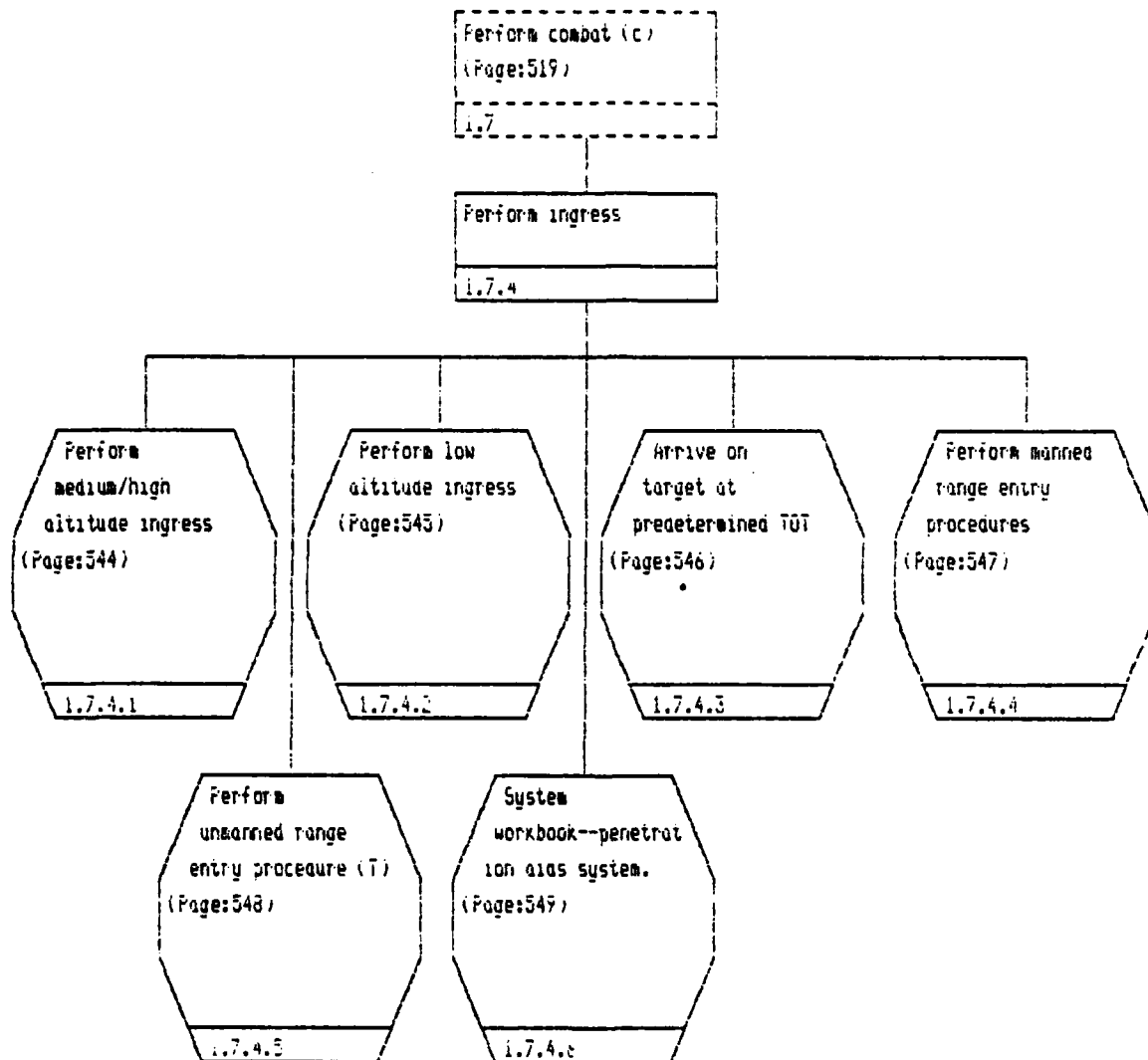


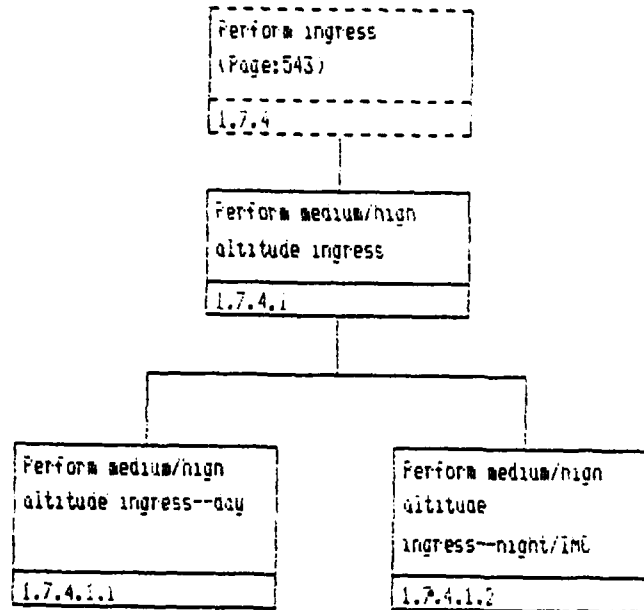
Perform fence checks  
(Page:526)  
1.7.2

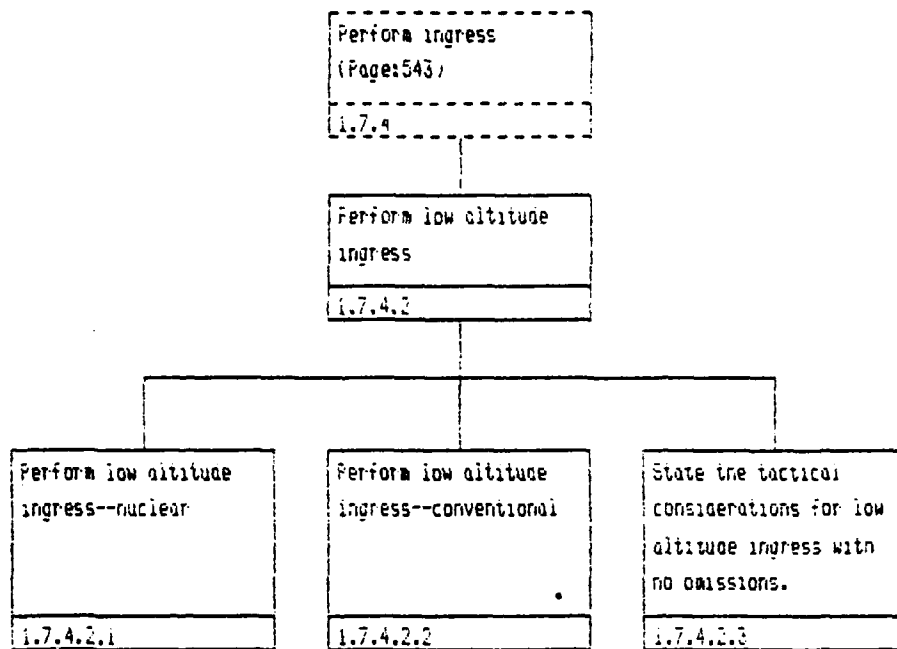
Set up selective  
jettison  
1.7.2.13

State the procedure and  
considerations for  
setting up selective  
jettison during fence  
check with no omissions.  
1.7.2.13.1









Perform ingress  
(Page:543)

1.7.4

Arrive on target at  
predetermined TOT

1.7.4.3

Describe procedures and  
state tactical  
considerations for  
arriving on target at  
predetermined TOT with  
no omissions and  
without error.

1.7.4.3..

Perform ingress  
(Page:543)

1.7.4

Perform manned range  
entry procedures

1.7.4.4

State the procedure for  
performing manned range  
entry in accordance  
with local area  
directives.

1.7.4.4.1



Perform ingress  
(Page:543)

1.7.4

Perform unmanned range  
entry procedure (T)

1.7.4.5

State the procedure for  
performing unmanned  
range entry in  
accordance with  
training restrictions  
and local directives.

1.7.4.5.1

Perform Ingress  
(Page:543)

1.7.4

System  
workbook--penetration  
aid system.

1.7.4.6

Describe the  
penetration aid system  
in the F-16A and F-16B  
aircraft.

1.7.4.6.1

List with no omissions  
and describe without  
error the components  
and/or functions of the  
penetration aid  
system, including as  
appropriate the  
sequence and modes of  
internal and external  
operation.

1.7.4.6.2

Given a photograph or  
drawing of the aircraft  
cockpit, locate and  
describe the function  
and manipulation of  
each control that  
directly affects the  
penetration aid system  
without error.

1.7.4.6.3

Given a photograph or  
drawing of the aircraft  
cockpit, locate and  
describe the  
interpretation of each  
indicator that monitors  
the penetration aid  
system without error.

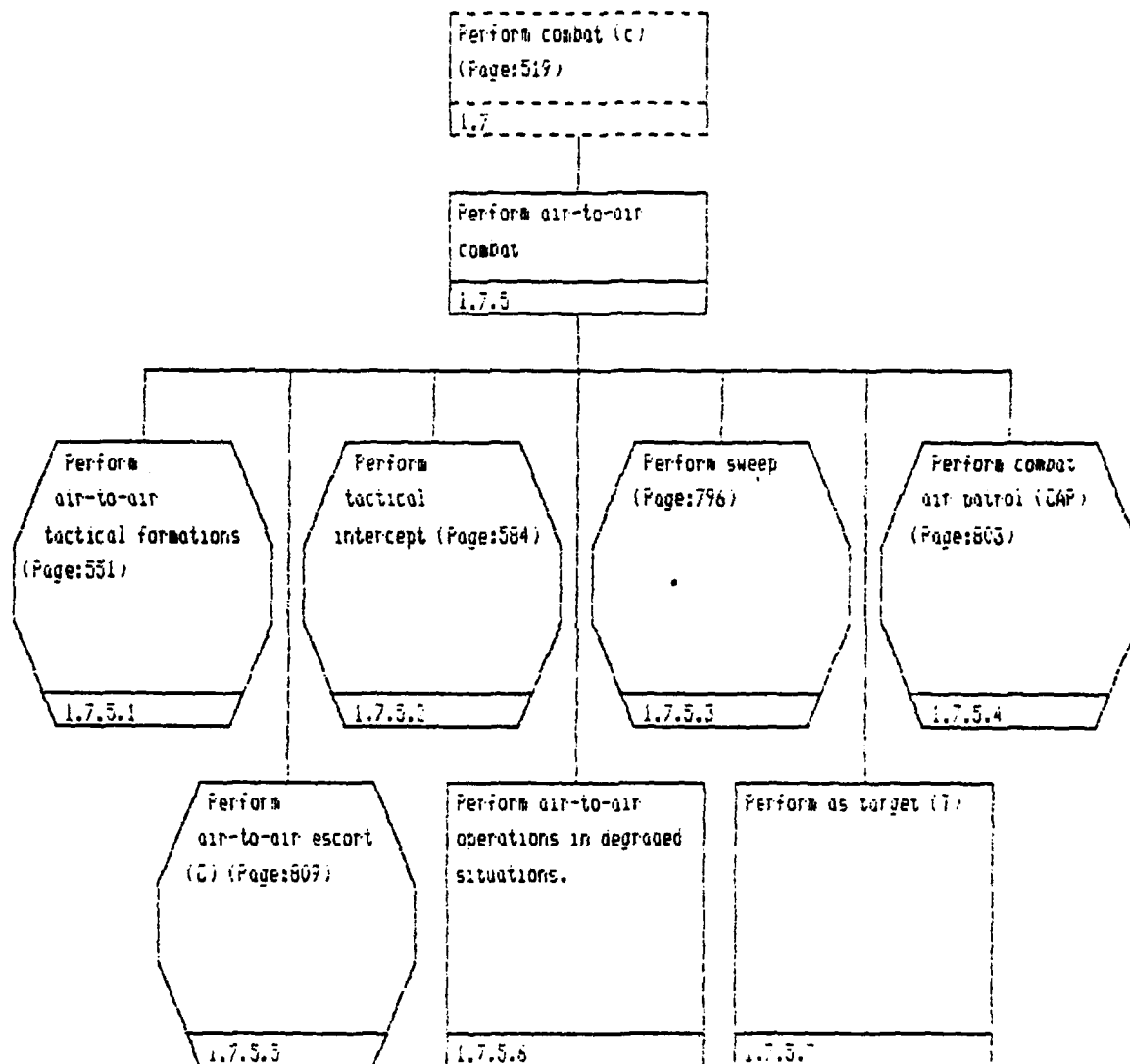
1.7.4.6.4

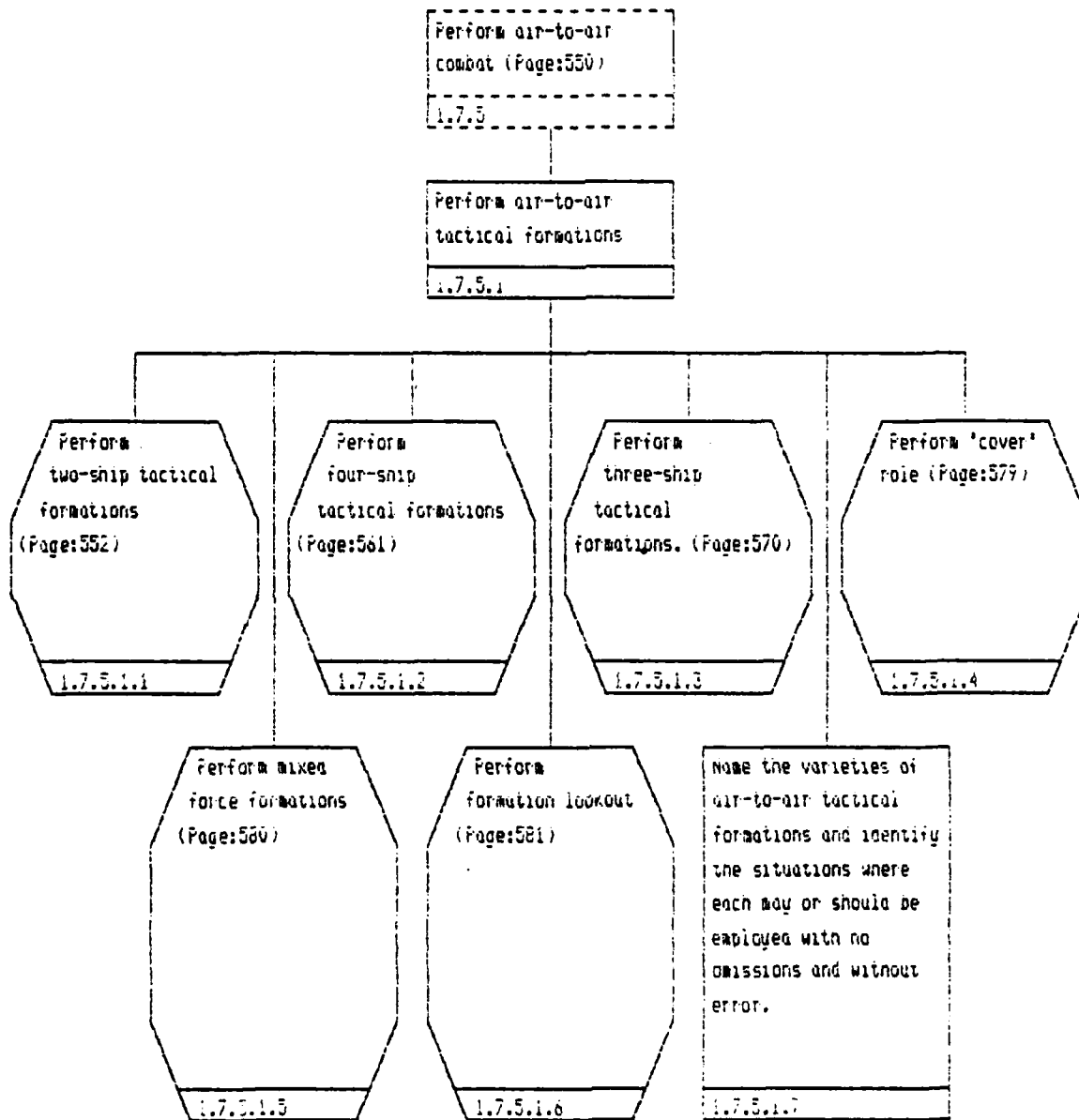
State the possible  
modes of penetration  
aid system  
degradation, and  
describe their causes  
and consequences,  
without error.

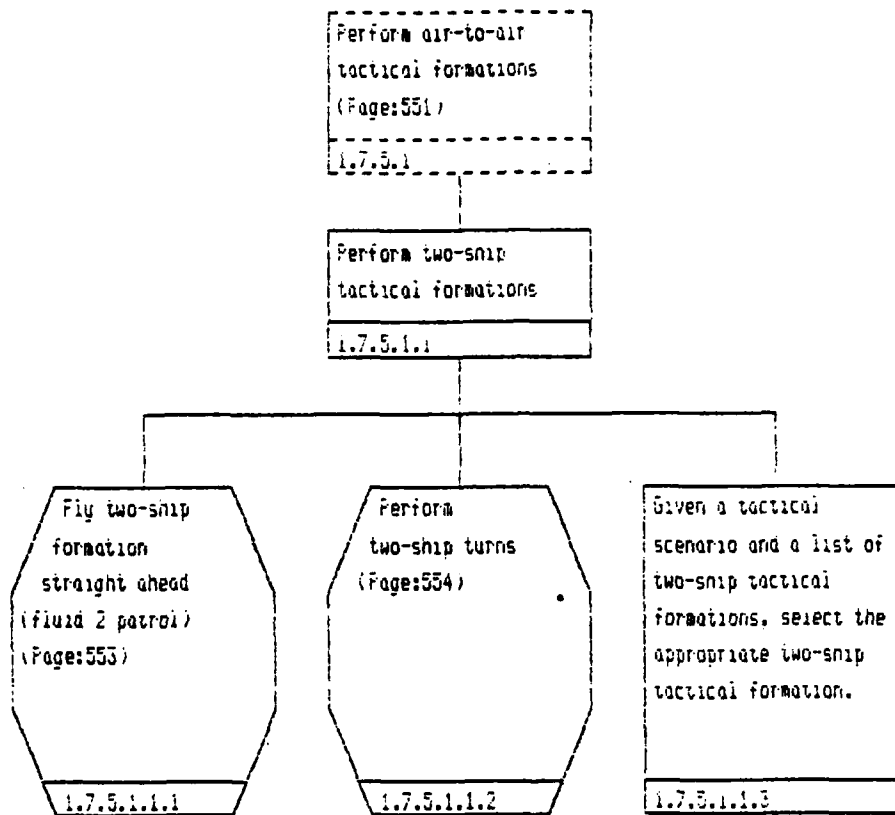
1.7.4.6.5

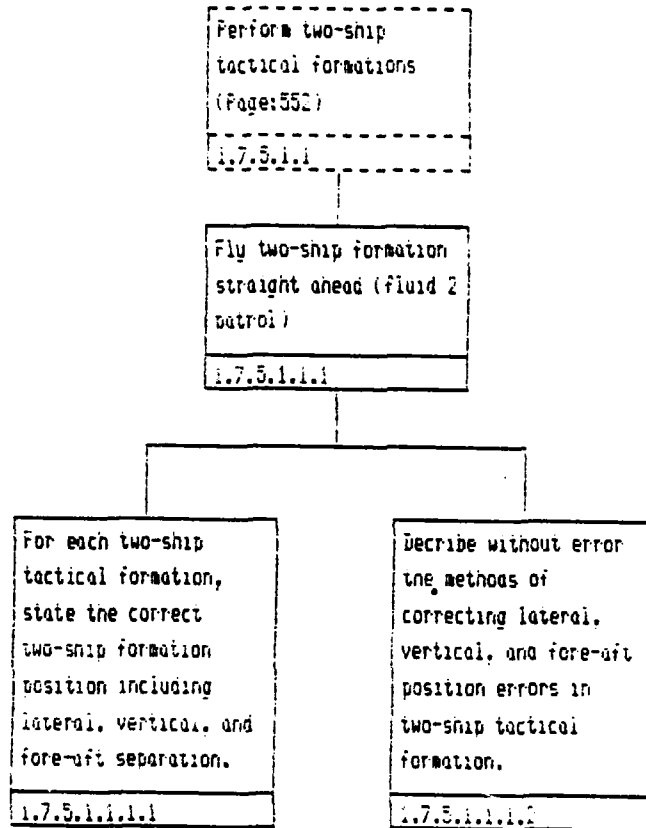
List with no omissions  
and describe without  
error any features of  
the penetration aid  
system in the F-16B  
that differ or are in  
addition to those in  
the F-16A.

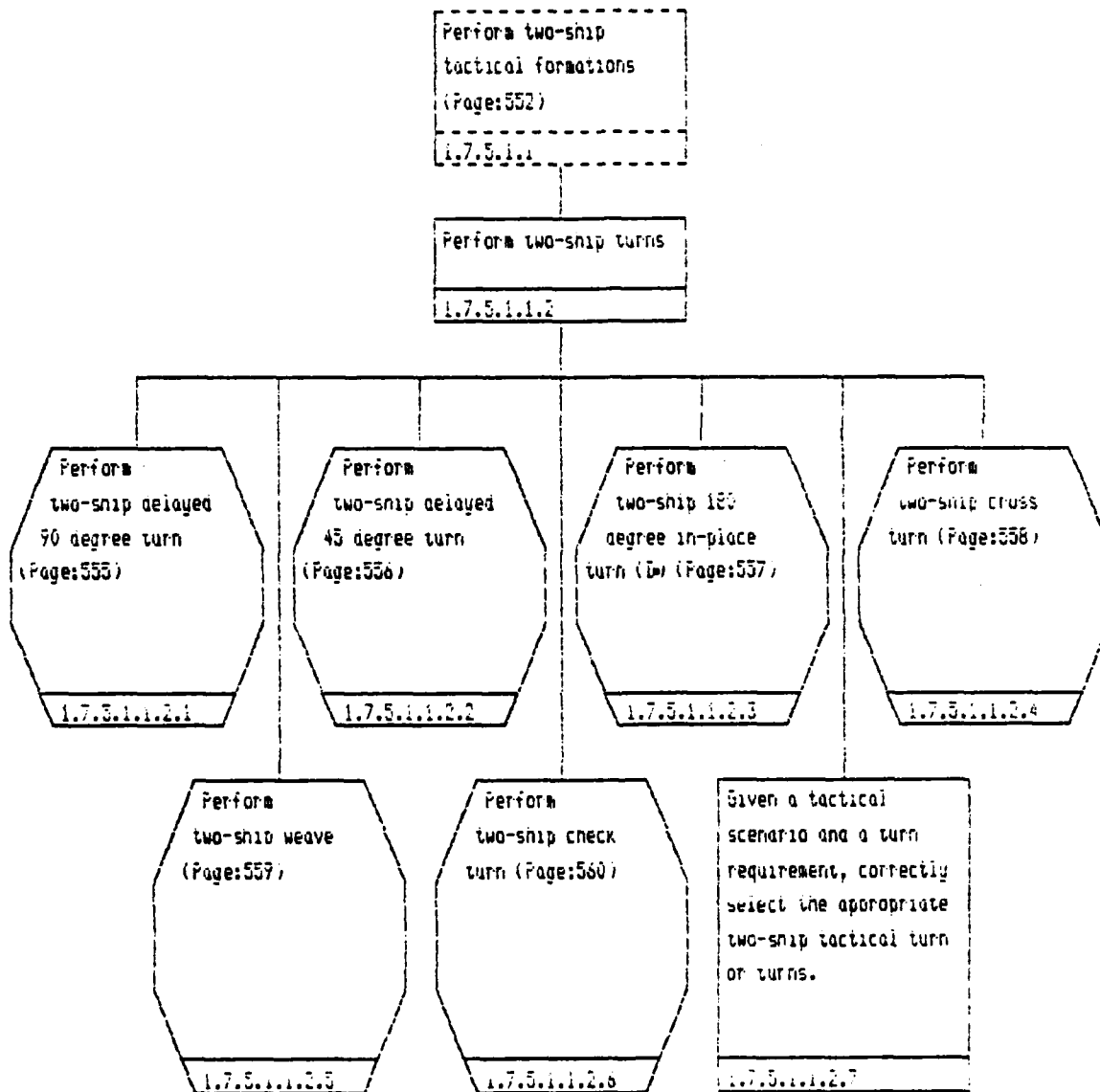
1.7.4.6.6

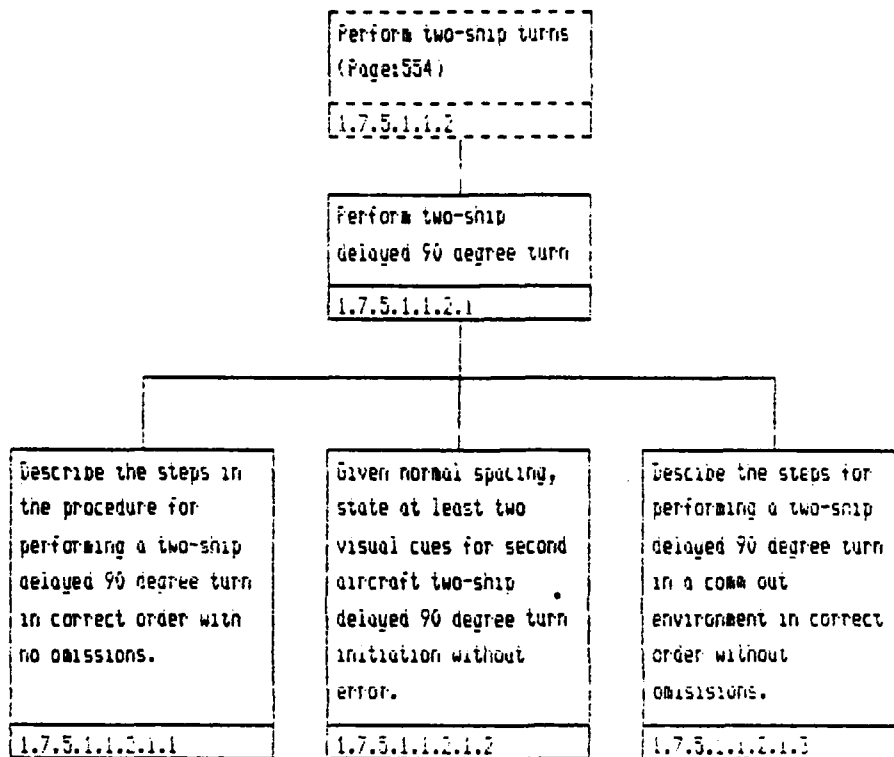




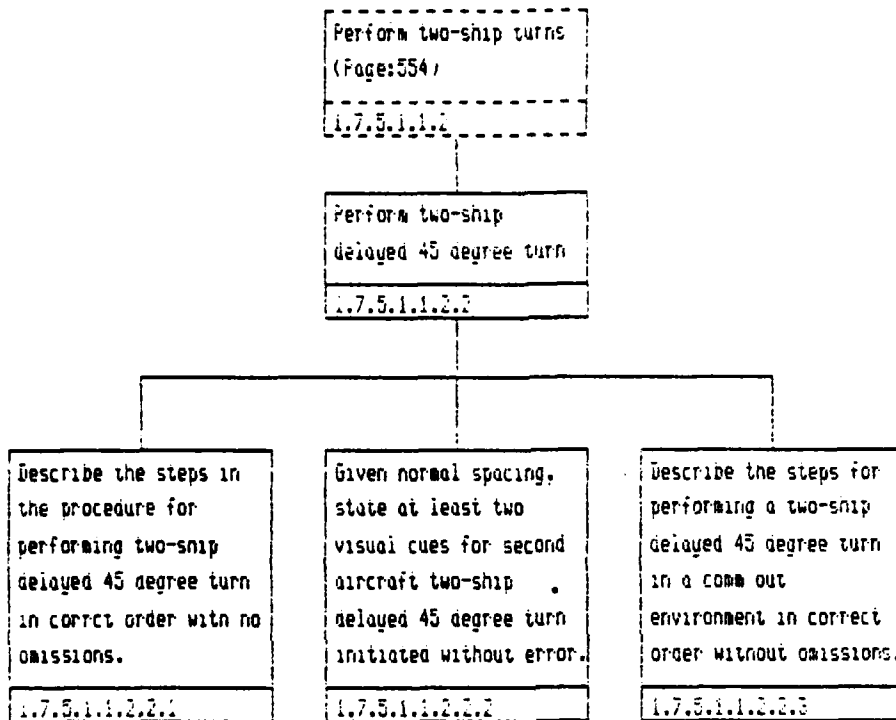


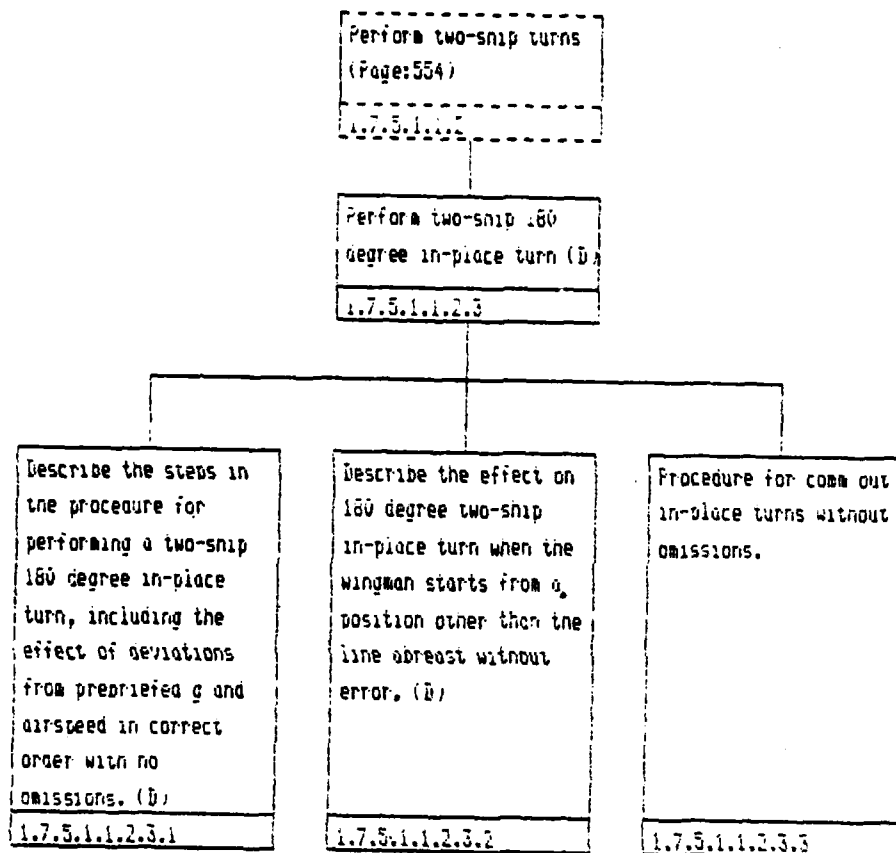










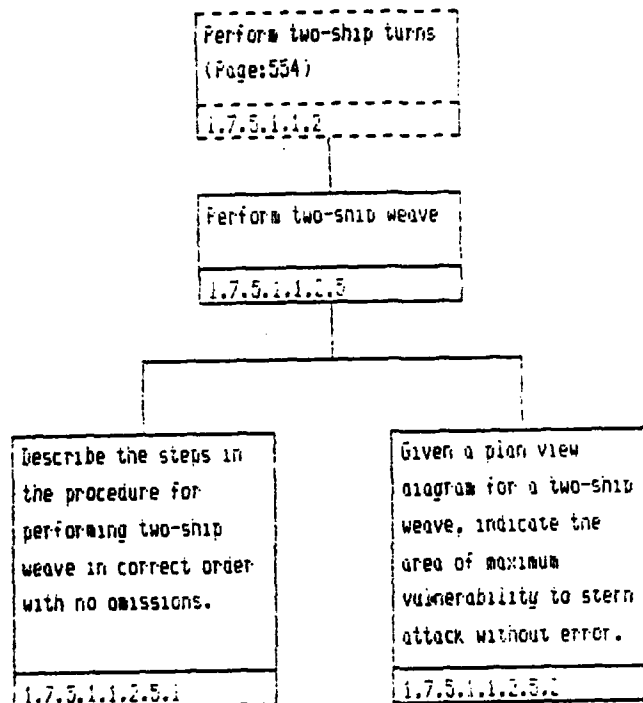


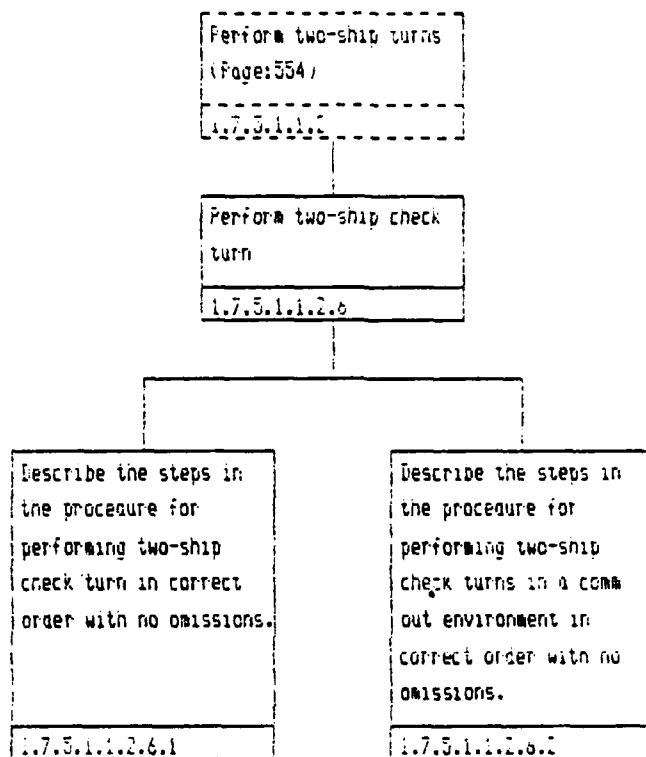
Perform two-ship turns  
(Page:554)  
1.7.5.1.1.2

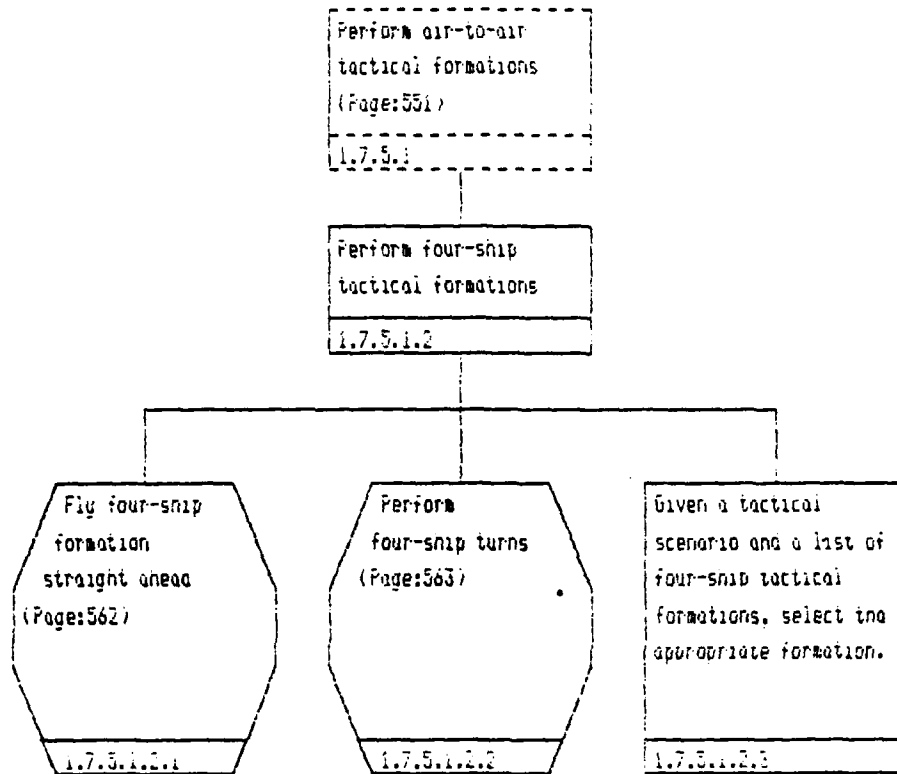
Perform two-ship cross  
turn  
1.7.5.1.1.2.4

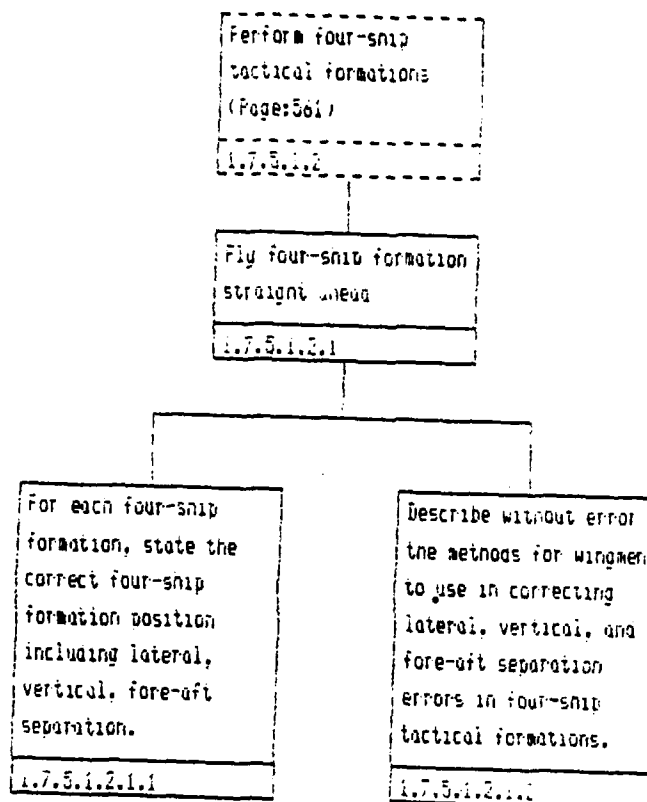
Describe the steps in  
the procedure for  
performing a two-ship  
cross turn with or  
without a weave in  
correct order with no  
omissions.  
1.7.5.1.1.2.4.1

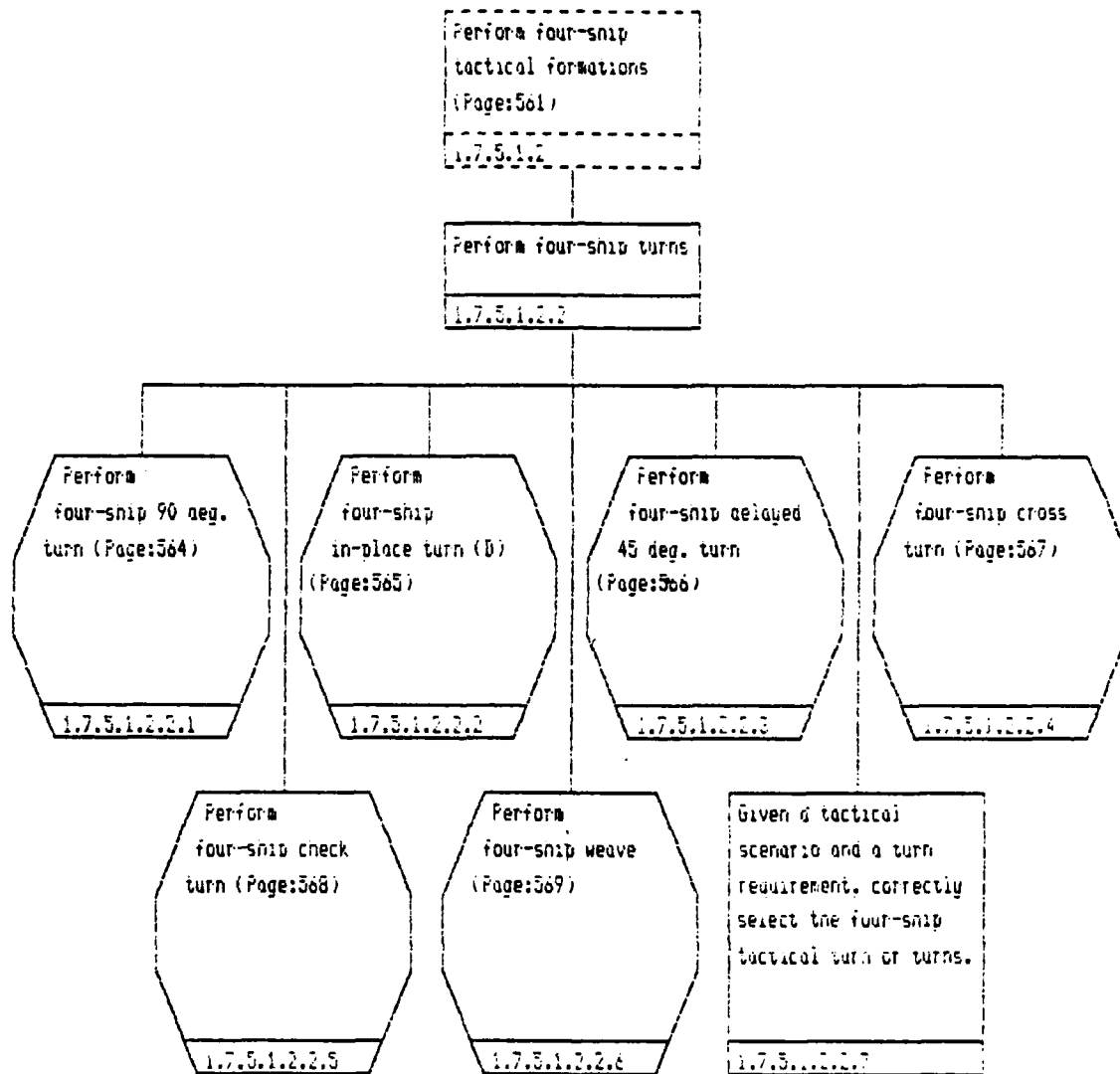
Given a plan view  
diagram of a two-ship  
cross turn, indicate  
the area of maximum  
vulnerability to attack  
without error.  
1.7.5.1.1.2.4.2



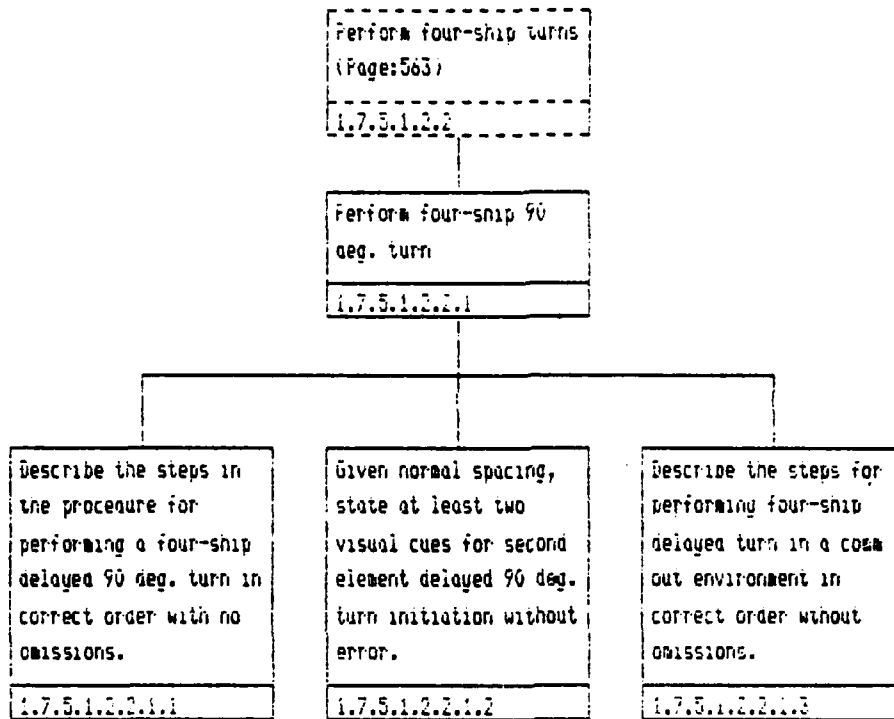


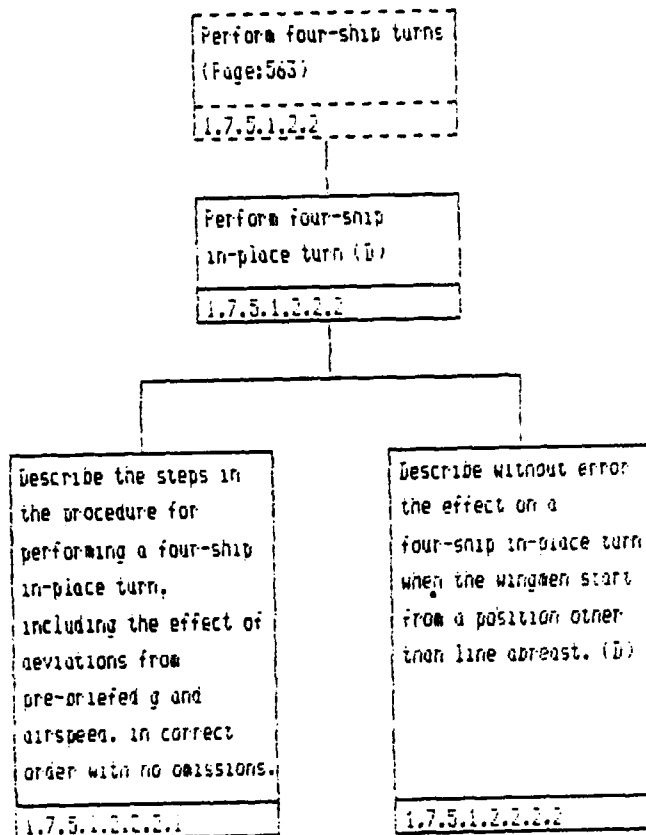












Perform four-ship turns  
(Page: 563)

1.7.5.1.2.2

Perform four-ship  
delayed 45 deg. turn

1.7.5.1.2.2.3

Describe the steps in  
the procedure for  
performing four-ship  
delayed 45 deg. turn in  
correct order with no  
omissions.

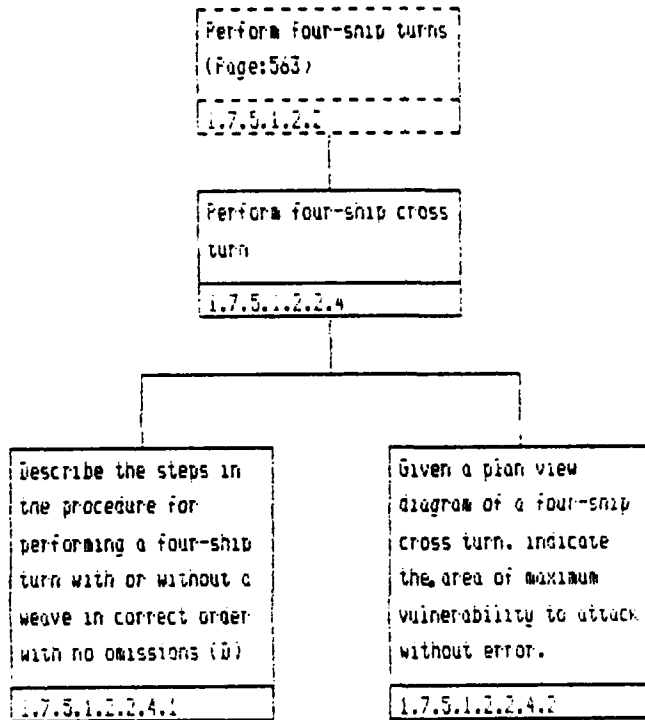
1.7.5.1.2.2.3.1

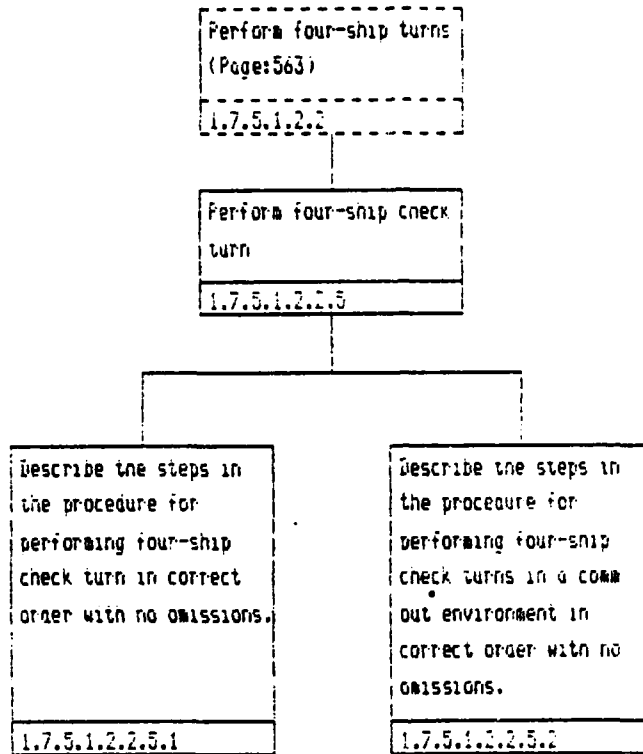
Given normal spacing,  
state at least two  
visual cues for second  
aircraft four-ship  
delayed 45 deg. turn  
initiation without  
error.

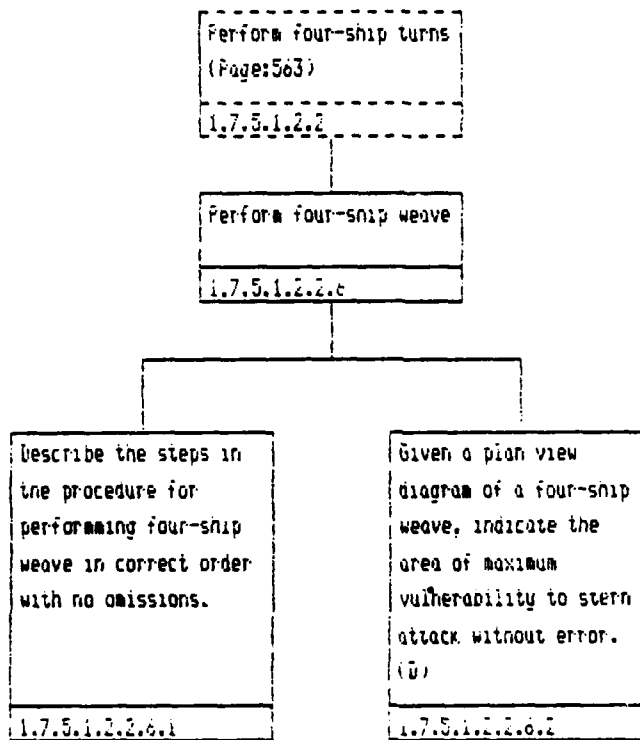
1.7.5.1.2.2.3.2

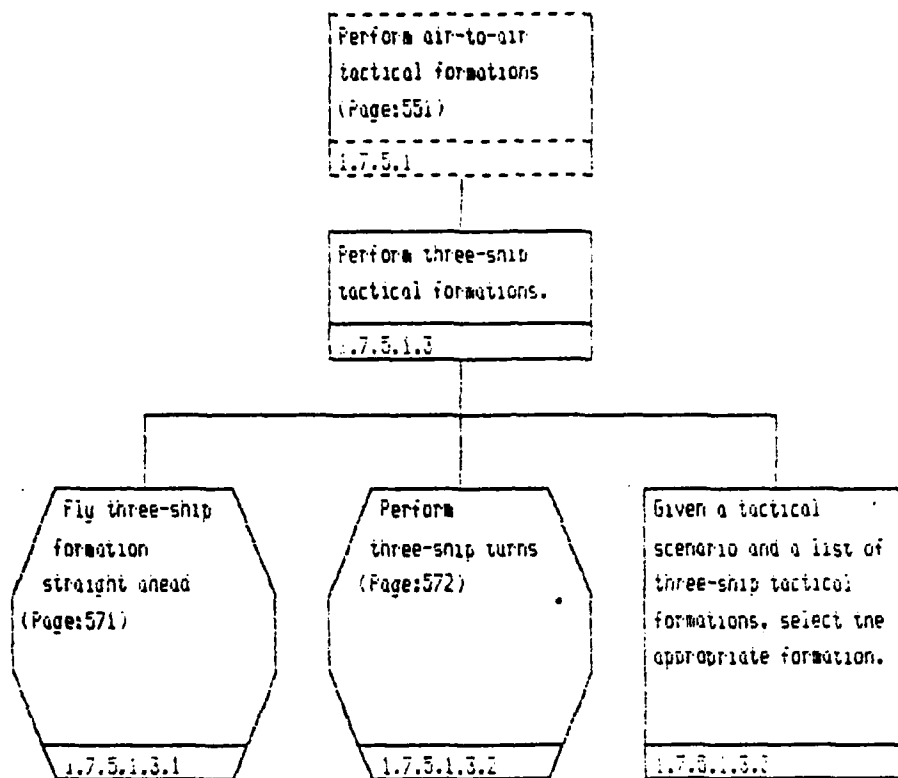
Describe the steps for  
performing a four-ship  
delayed 45 deg. turn in  
a comm out environment  
in correct order  
without omissions.

1.7.5.1.2.2.3.3









Perform three-ship  
tactical formations.  
(Page:576)

1.7.5.1.3

Fly three-ship  
formation straight ahead

1.7.5.1.3.1

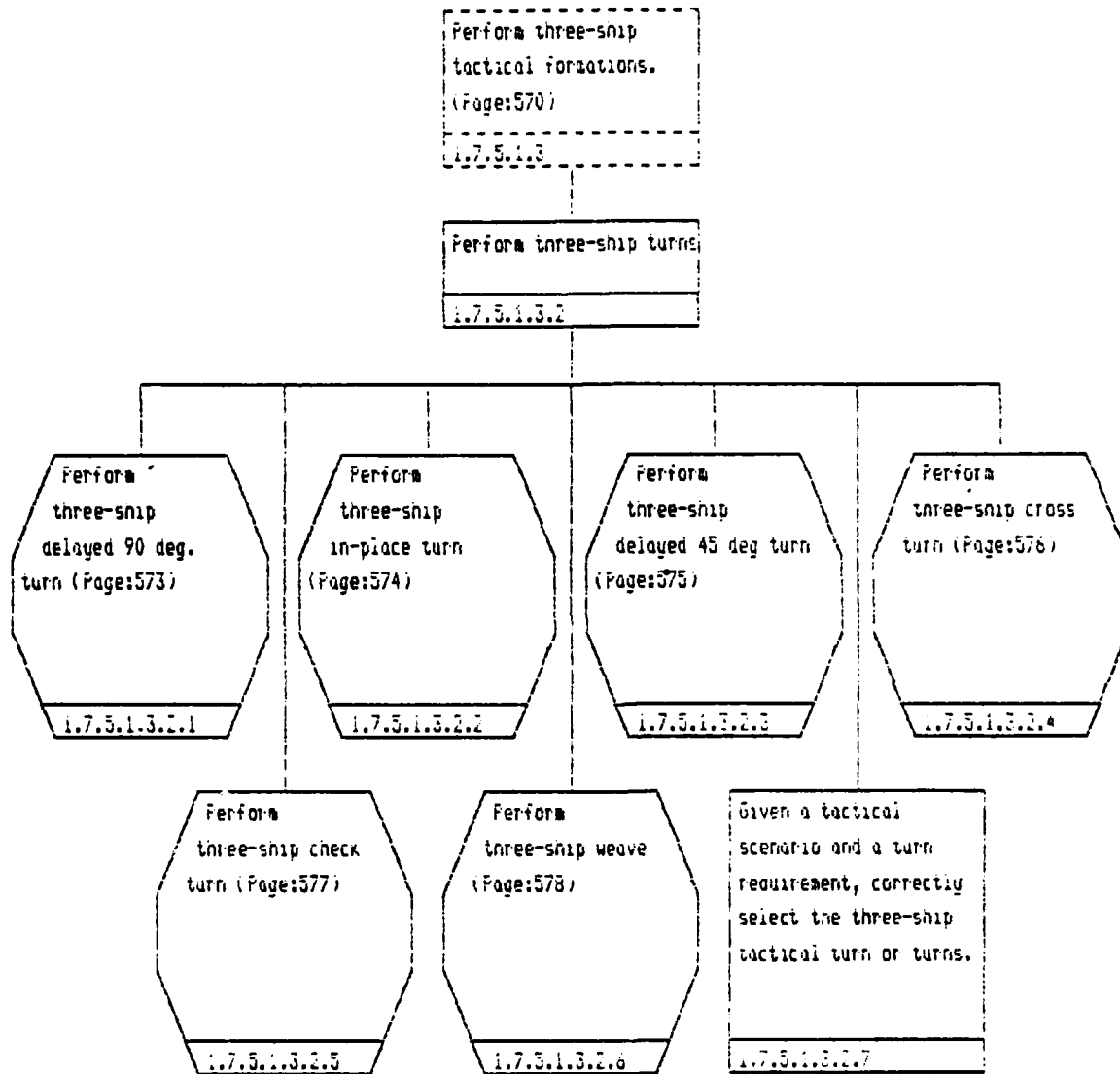
For each three-ship  
tactical formation,  
state the correct  
three-ship formation  
position, including  
lateral, vertical, and  
fore-aft separation.

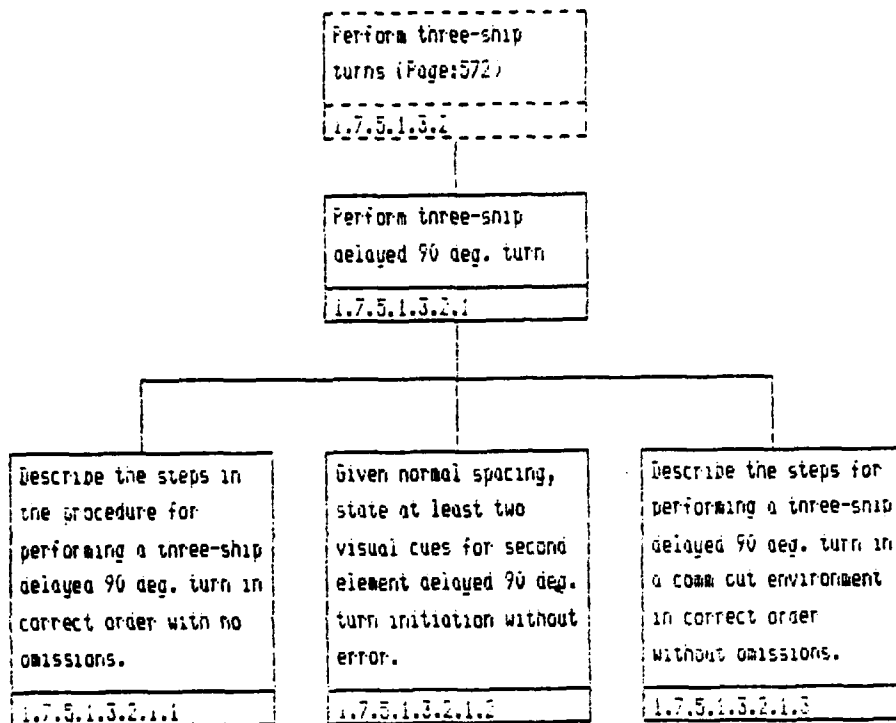
1.7.5.1.3.1.1

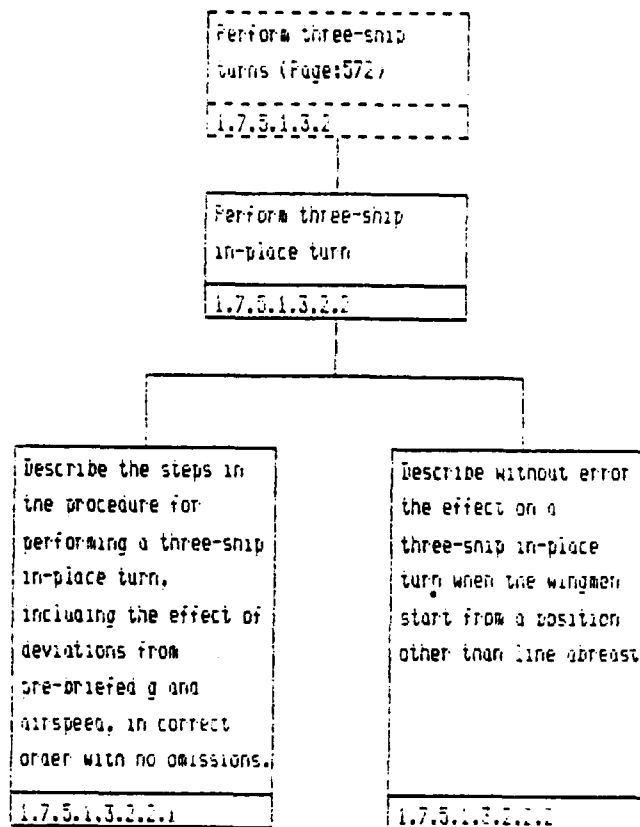
Describe without error  
the methods for wingmen  
to use in correcting  
lateral, vertical, and  
fore-aft separation  
errors in three-ship  
tactical formations.

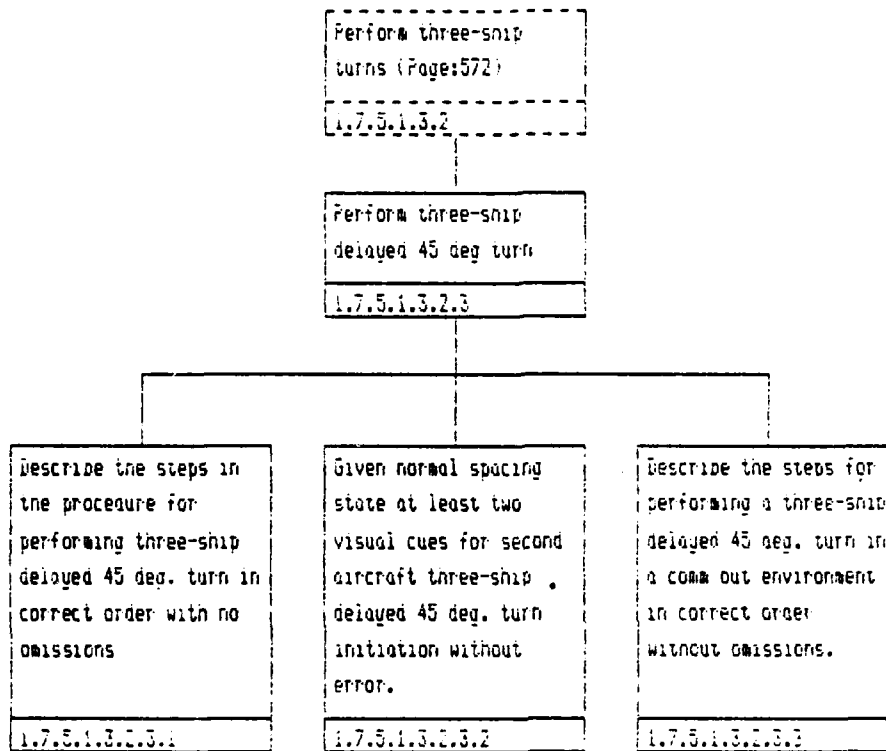
1.7.5.1.3.1.2

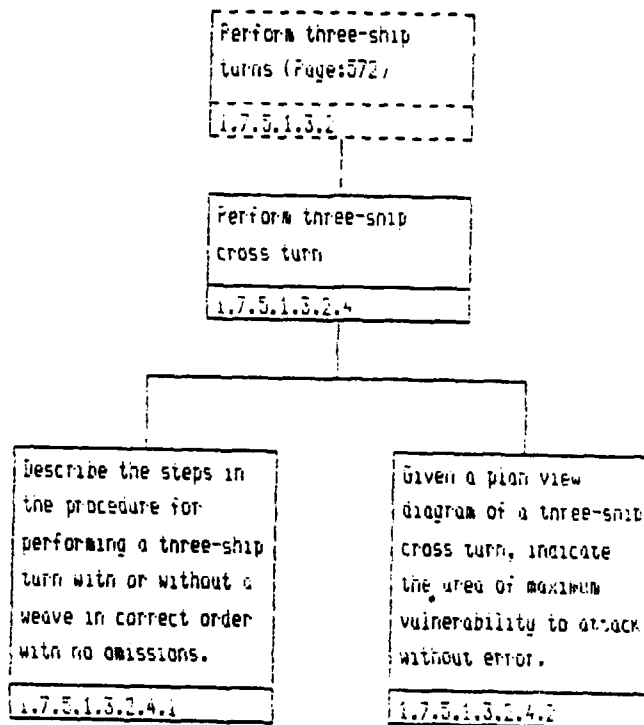


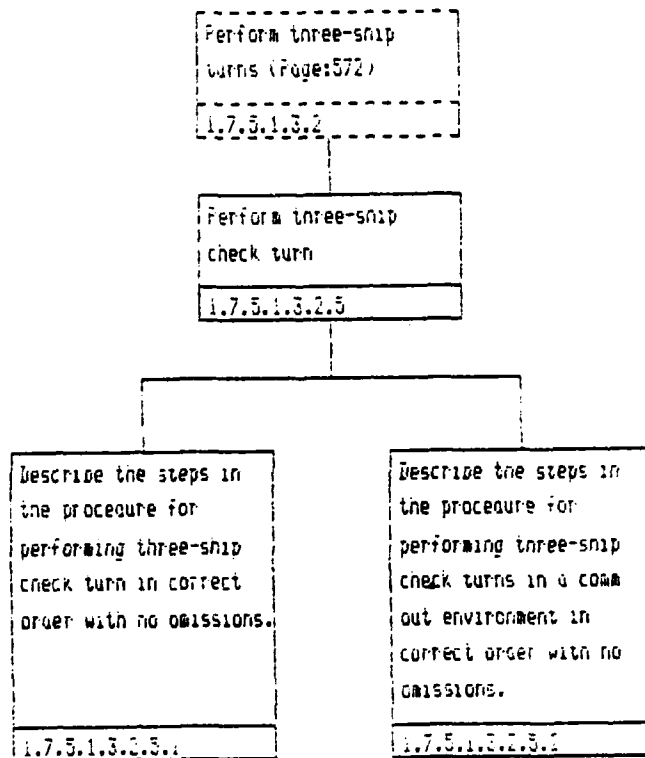


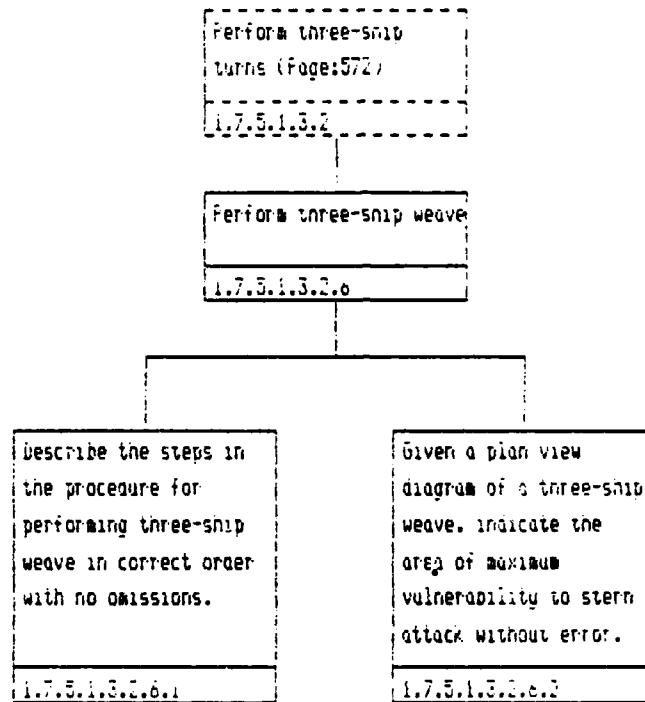


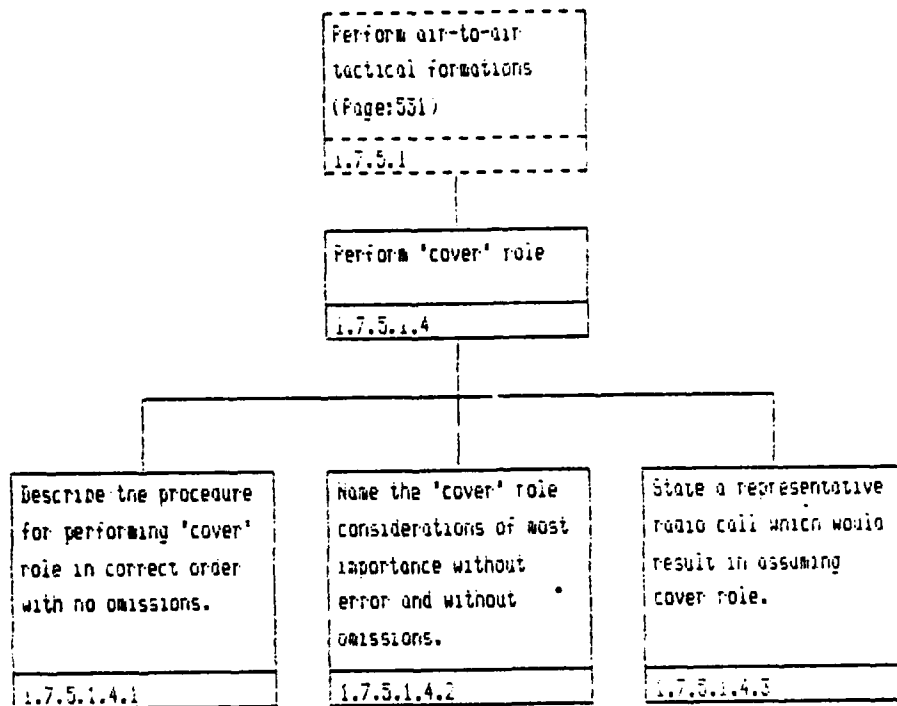














Perform air-to-air  
tactical formations  
(Page:551)

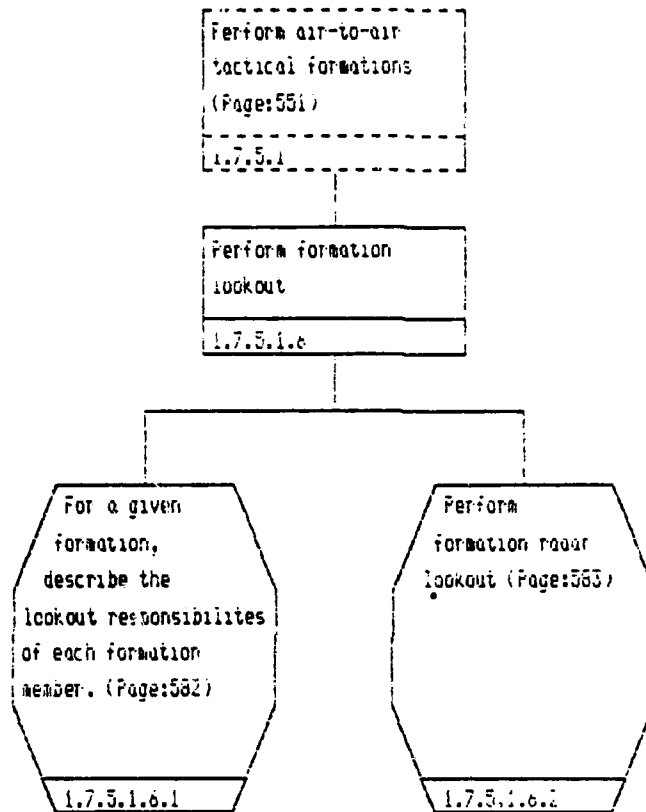
1.7.5.1

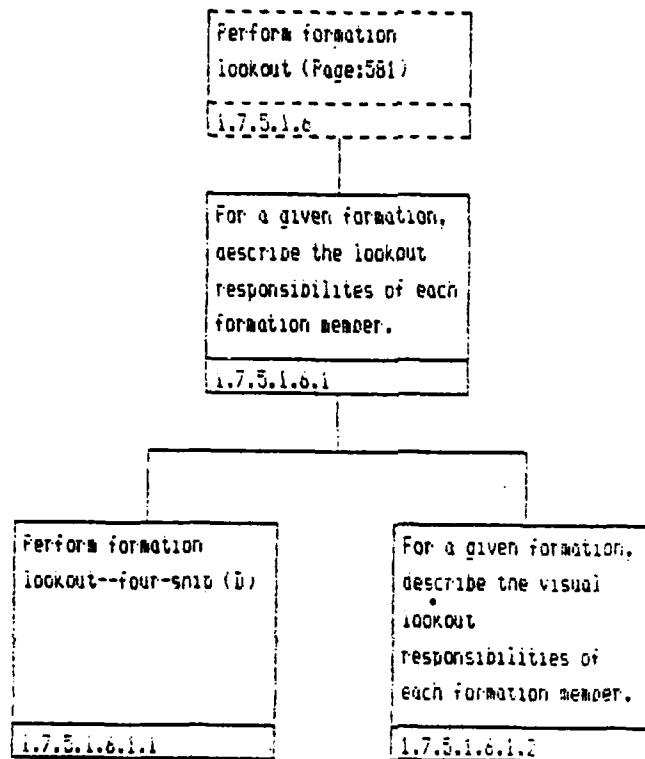
Perform mixed force  
formations

1.7.5.1.5

State the special  
considerations for  
mixed force formation,  
with no omissions and  
without error.

1.7.5.1.5.1





Perform formation  
lookout (Page:551)

1.7.5.1.6

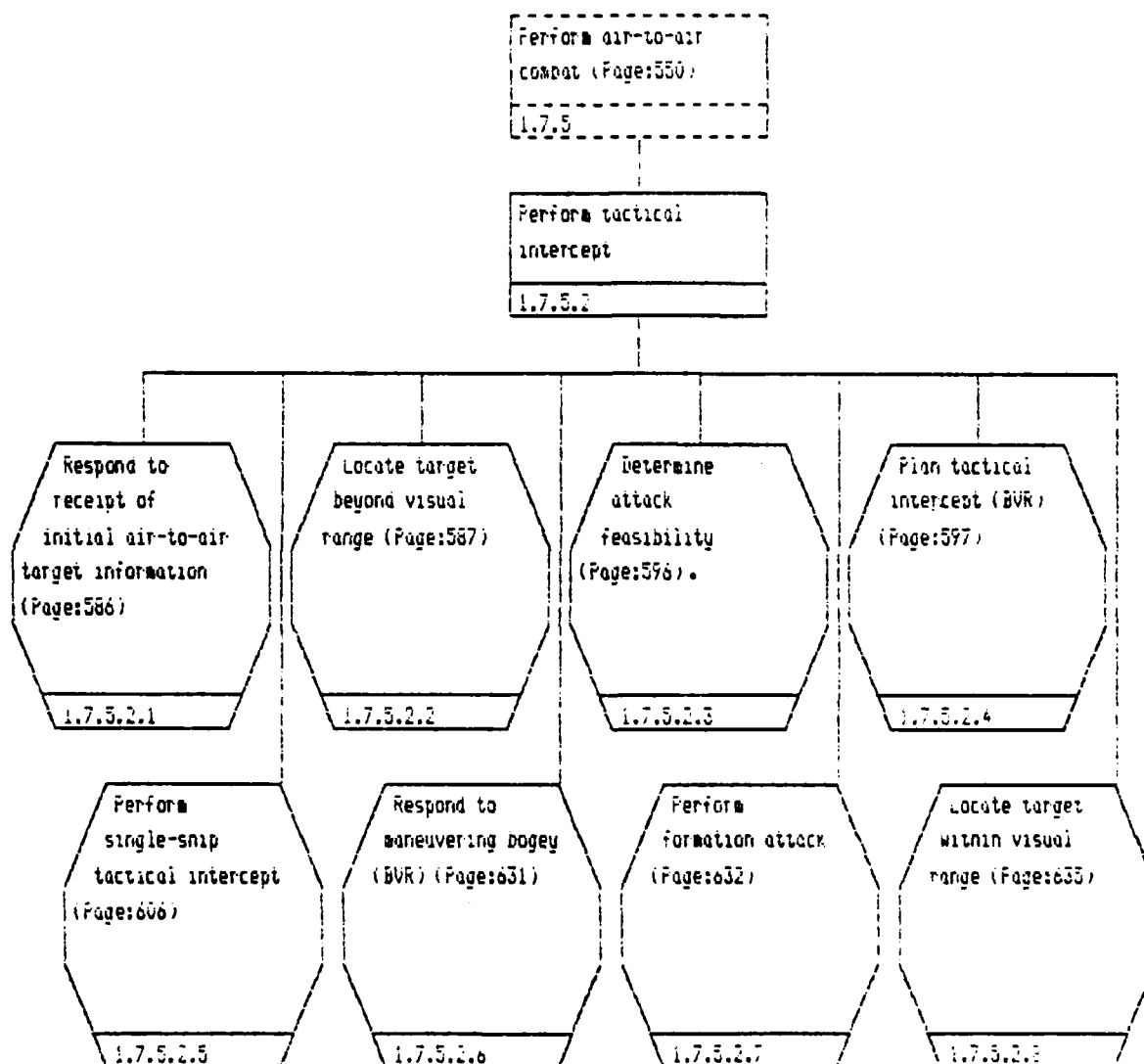
Perform formation radar  
lookout

1.7.5.1.6.2

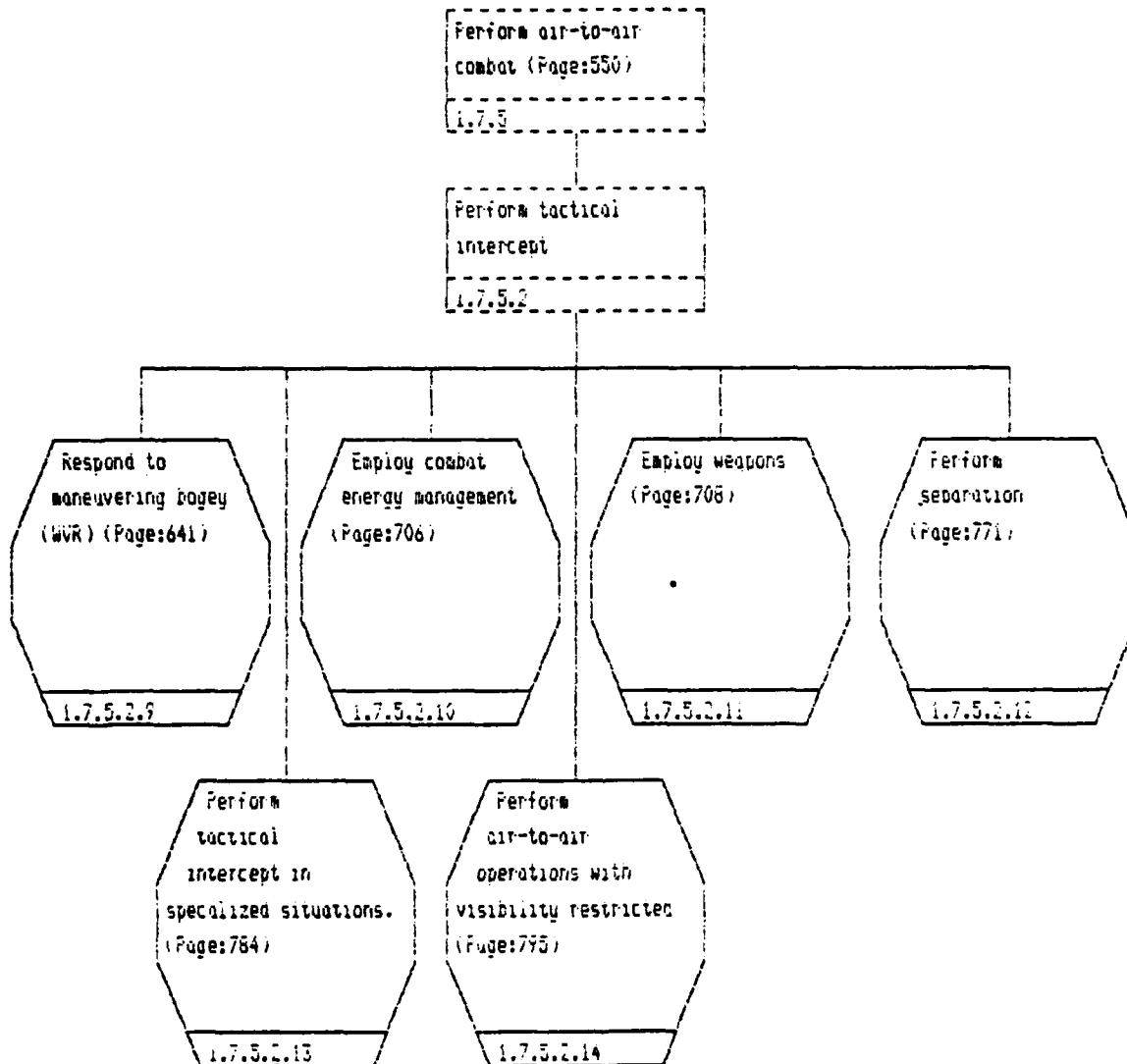
For a given formation  
describe the radar  
lookout  
responsibilities of  
each formation member.

1.7.5.1.6.2.1

Continued on page: 585



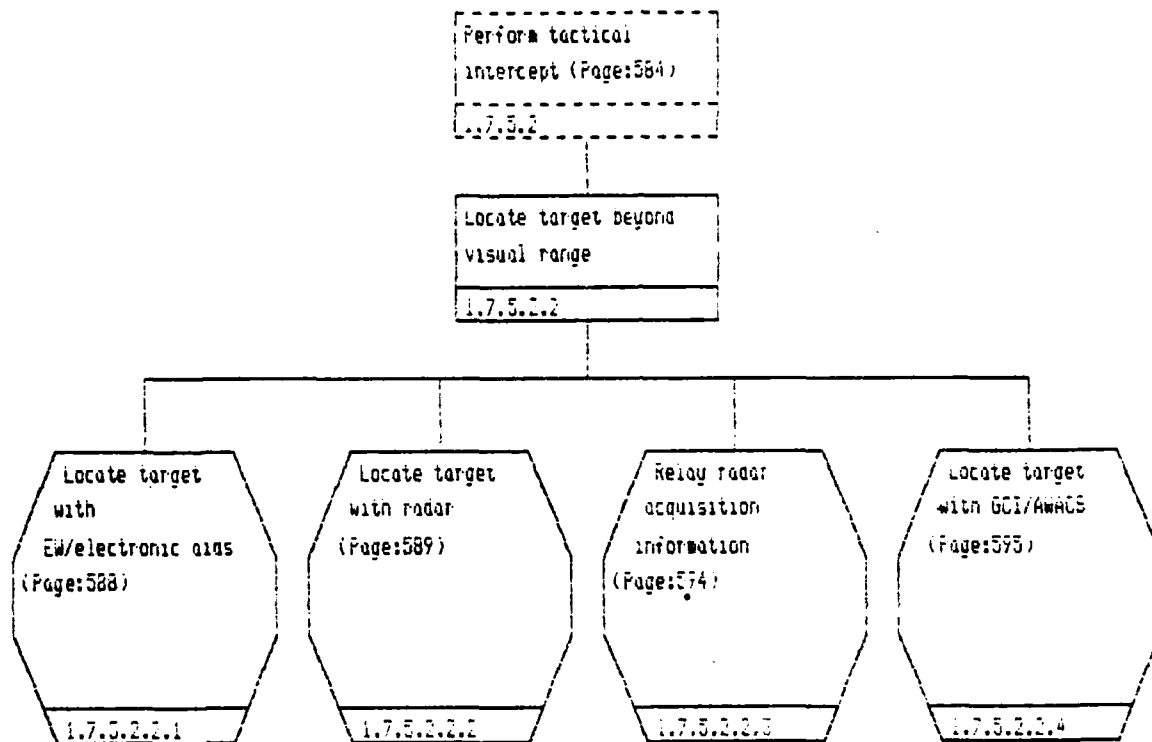
Continued from page: 584



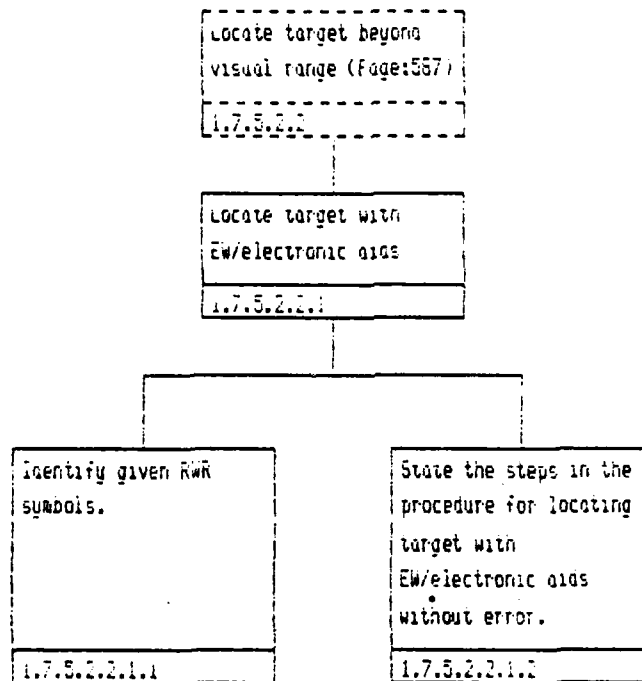
Perform tactical  
intercept (Page:584),  
1.7.5.2

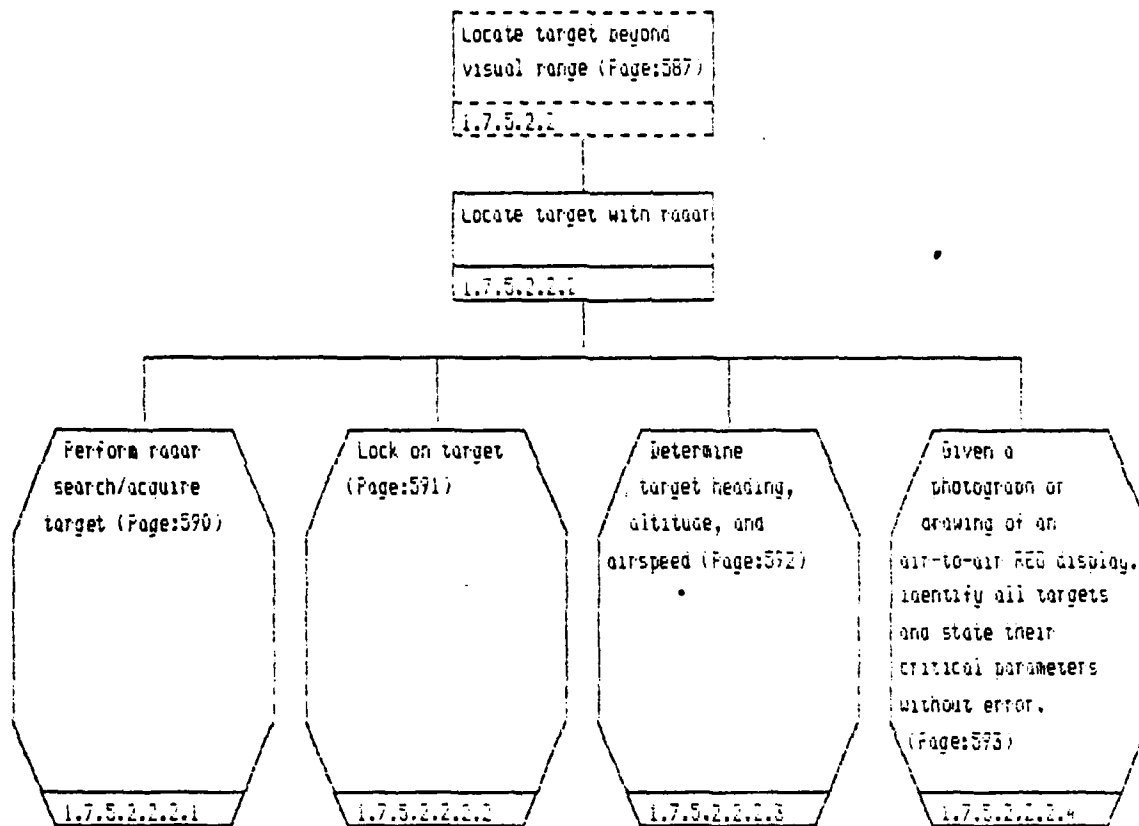
Respond to receipt of  
initial air-to-air  
target information  
1.7.5.2.1

Given initial  
air-to-air target  
information, describe  
the correct response  
IAW current tactical  
intercept  
considerations (3-1.  
Fighter Weapons School  
texts).  
1.7.5.2.1.1









Locate target with  
radar (Page:589)

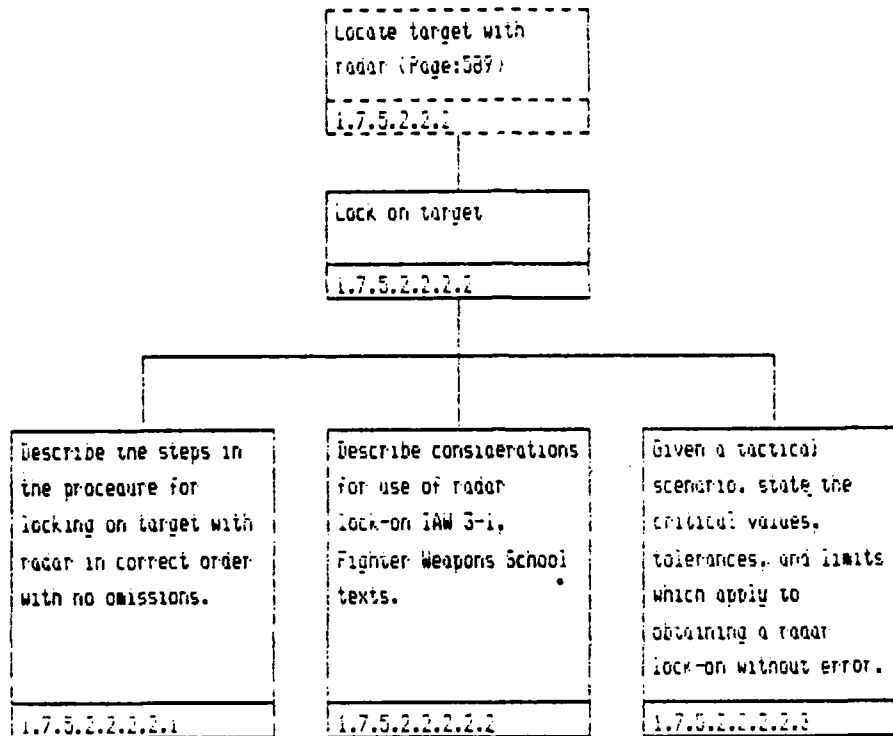
1.7.5.2.2.1

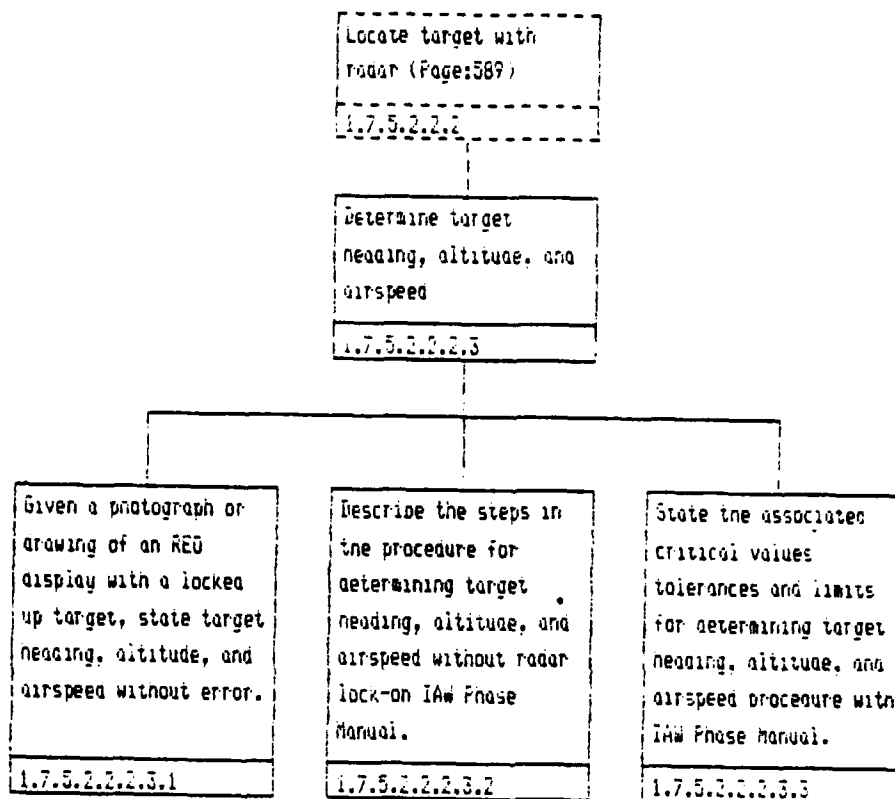
Perform radar  
search/acquire target

1.7.5.2.2.2.1

State the steps in the  
procedure for  
performing air-to-air  
radar search without  
error.

1.7.5.2.2.2...1





Locate target with  
radar (Page:589)

1.7.5.2.2.3

Given a photograph or  
drawing of an  
air-to-air REU display,  
identify all targets  
and state their  
critical parameters  
without error.

1.7.5.2.2.4

Match drawings of REU  
symbols with their  
meanings without error.

1.7.5.2.2.4.1

Locate target beyond  
visual range (Page:567)

1.7.5.2.2

Relay radar acquisition  
information

1.7.5.2.2.3

State the types of  
radar displayed  
information to be  
relayed, and describe  
the format of the relay  
message without error.

1.7.5.2.2.3..

Locate target beyond  
visual range (Page:587)

1.7.5.2.2

Locate target with  
GCI/AWACS

1.7.5.2.2.4

State the special  
considerations for  
locating target beyond  
visual range as  
described in 3-1,  
Fighter Weapons School  
texts, -34.

1.7.5.2.2.4.1



Perform tactical  
intercept (Page:584)  
1.7.5.2

Determine attack  
feasibility  
1.7.5.2.3

Given a common tactical  
scenario, determine  
attack feasibility IAW  
current tactical  
considerations and  
restrictions.  
1.7.5.2.3.1

Perform tactical  
intercept (Page:564)

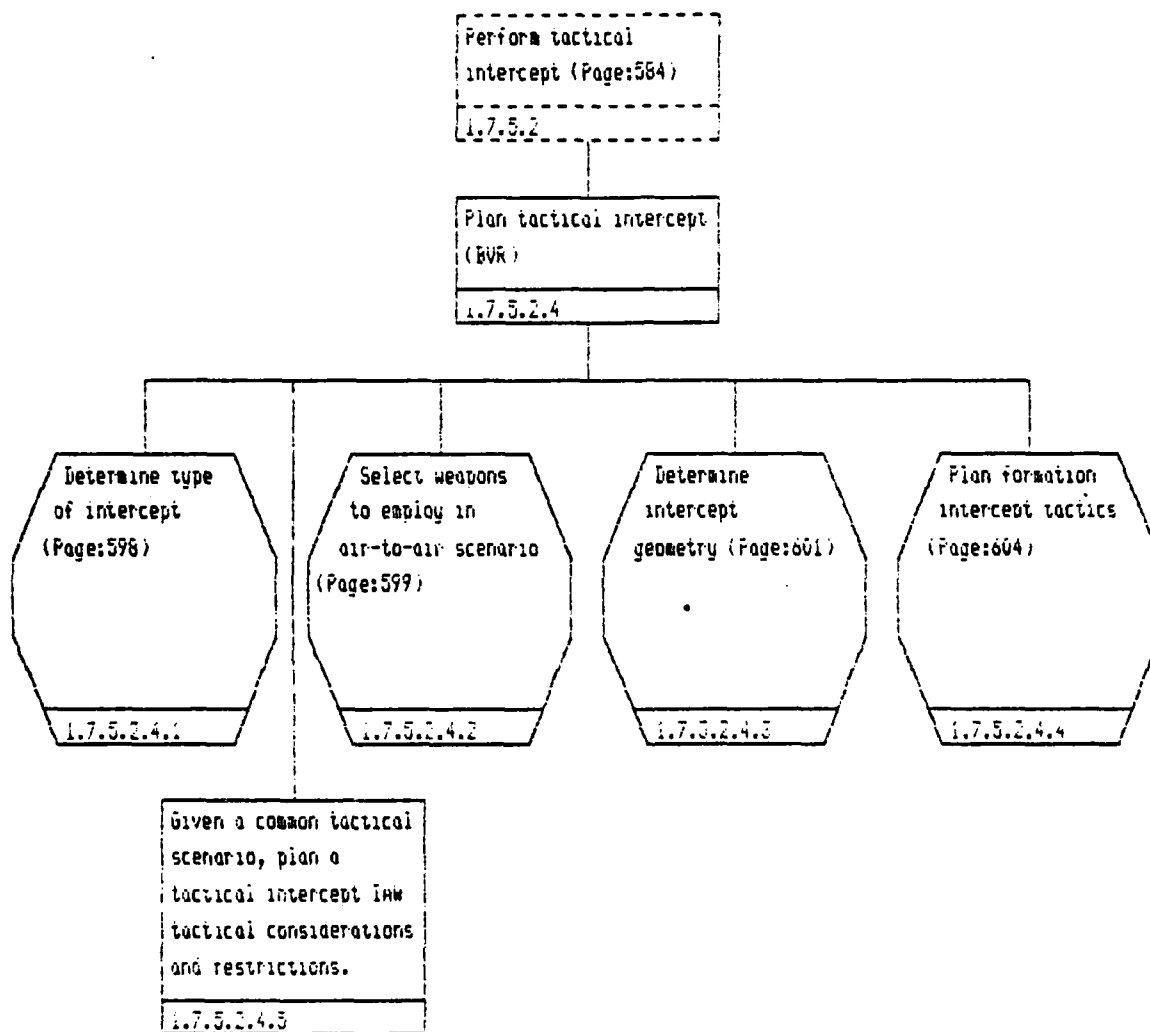
1.7.5.2

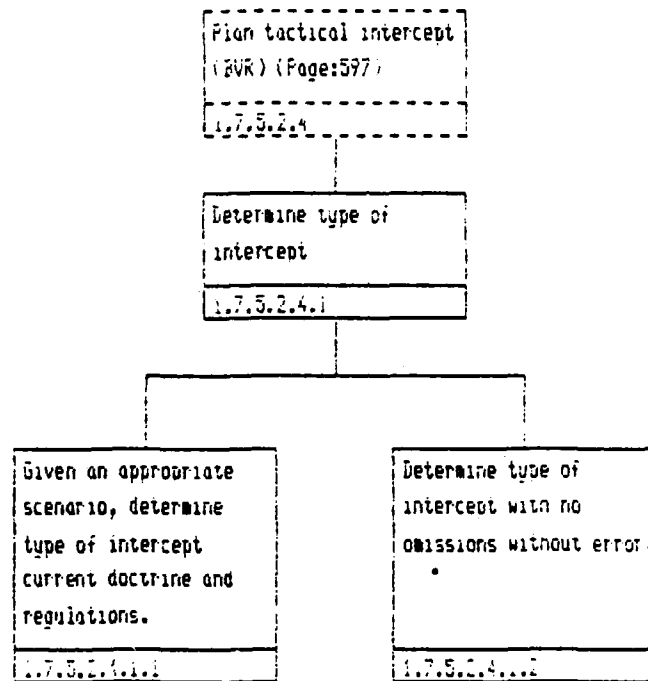
Determine attack  
feasibility

1.7.5.2.3

Given a common tactical  
scenario, determine  
attack feasibility IAW  
current tactical  
considerations and  
restrictions.

1.7.5.2.3.1





Perform ingress  
(Page:543)  
1.7.4

Perform unmanned range  
entry procedure (T)  
1.7.4.5

State the procedure for  
performing unmanned  
range entry in  
accordance with  
training restrictions  
and local directives.  
1.7.4.5.1

Plan tactical intercept  
(ZVR) (Page:597)  
1.7.5.2.4

Select weapons to  
employ in air-to-air  
scenario  
1.7.5.2.4.2

Given a  
tactical  
intercept scenario,  
select weapons to  
employ IAW 3-1 and  
Fighter Weapons School  
texts. (Page:000)  
1.7.5.2.4.2.1

Select weapons to  
employ in air-to-air  
scenario (Page:577)

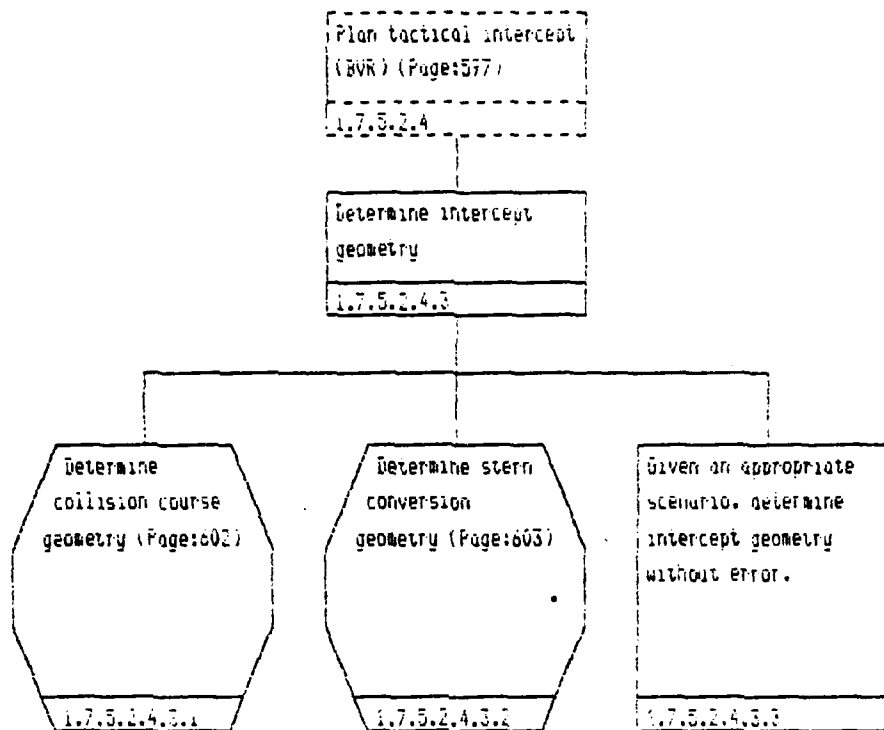
1.7.5.2.4.2

Given a tactical  
intercept scenario,  
select weapons to  
employ IAW 3-1 and  
Fighter Weapons School  
texts.

1.7.5.2.4.2.1

State the  
considerations  
impacting weapons  
selection for tactical  
intercepts with no  
omissions and without  
error.

1.7.5.2.4.2.1.1





Determine intercept  
geometry (Page:601)

1.7.5.2.4.3

Determine collision  
course geometry

1.7.5.2.4.3.1

Given our heading,  
target heading, radar  
contact point and  
co-airspeeds, calculate  
collision course  
geometry within  
aircraft's tactical  
limitations.

1.7.5.2.4.3.1.1

Determine intercept  
geometry (Page:601)

1.7.5.2.4.3

Determine stern  
conversion geometry

1.7.5.2.4.3.2

Given own heading,  
target heading, and  
radar contact point,  
calculate stern  
conversion geometry  
within aircraft's  
tactical limitations.

1.7.5.2.4.3.2.1

Plan tactical intercept  
(BVR) (Page:597)  
1.7.5.2.4

Plan formation  
intercept tactics  
1.7.5.2.4.4

Given a  
tactical  
scenario, plan  
formation intercept  
tactics IAW 3-1 and  
Fighter Weapons School  
texts. (Page:605)  
1.7.5.2.4.4.1

Plan formation  
intercept tactics  
(Page:604)

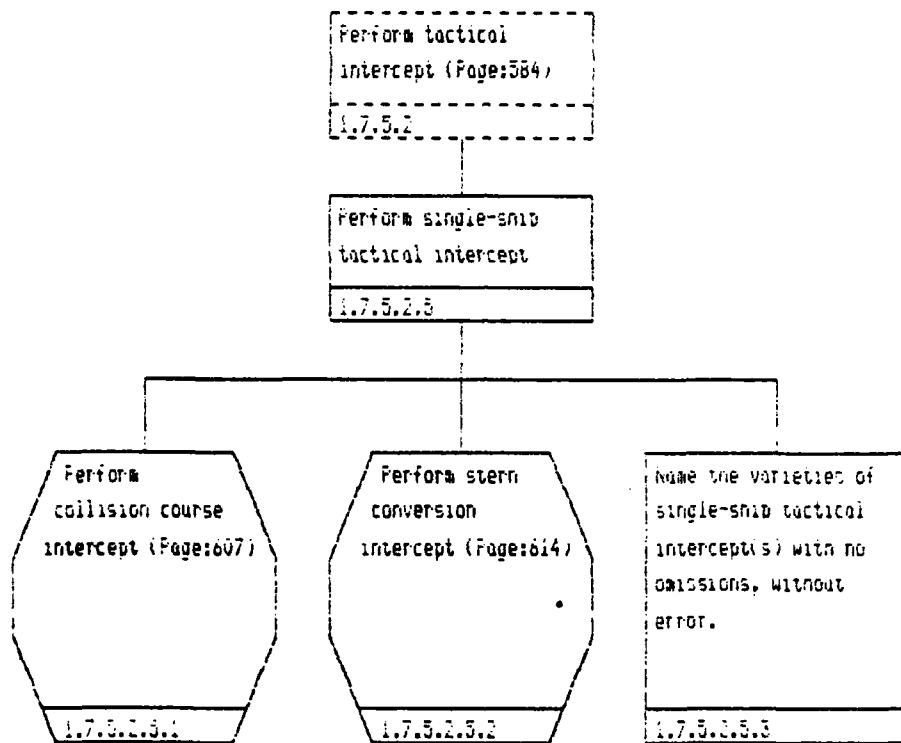
1.7.5.2.4.4

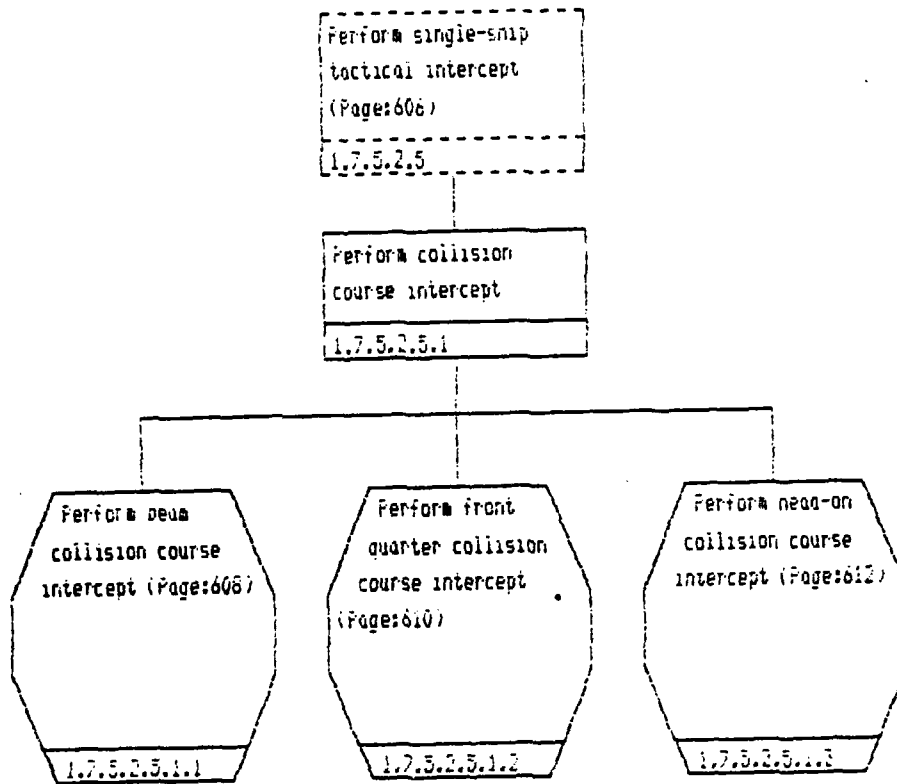
Given a tactical  
scenario, plan  
formation intercept  
tactics IAW 3-1 and  
Fighter Weapons School  
texts.

1.7.5.2.4.4.1

Given a list of  
formation intercept  
tactics and tactical  
scenarios, identify the  
situations where each  
intercept tactic may or  
should be employed IAW  
3-1 and Fighter Weapons  
School texts.

1.7.5.2.4.4.1.1





Perform collision  
course intercept  
(Page:607)  
1.7.5.2.5.1

Perform beam collision  
course intercept  
1.7.5.2.5.1.1

Given avionics  
and visual cues,  
describe subsequent  
specific actions to  
take in performing beam  
collision course  
intercept without  
error. (Page:607)  
1.7.5.2.5.1.1.1

Perform beam collision  
course intercept  
(Page:603)  
1.7.5.2.5.1.1

Given avionic and  
visual cues, describe  
subsequent specific  
actions to take in  
performing beam  
collision course  
intercept without error.  
1.7.5.2.5.1.1.1

State the procedure for  
beam collision course  
intercept and limits  
within which it may be  
performed in correct  
order with no omissions.  
1.7.5.2.5.1.1.1.1

State the associated  
critical values  
tolerances and limits  
for beam collision  
course intercept  
procedure without error.  
1.7.5.2.5.1.1.1.2



Perform collision  
course intercept  
(Page:607)  
1.7.5.2.5.1

Perform front quarter  
collision course  
intercept  
1.7.5.2.5.1.2

Given avionic  
and visual cues,  
describe subsequent  
specific actions to  
take in performing  
front quarter collision  
course intercept  
without error.  
(Page:611)  
1.7.5.2.5.1.2.1

Perform front quarter  
collision course  
intercept (Page:610)

1.7.5.2.5.1.2

Given avionic and  
visual cues, describe  
subsequent specific  
actions to take in  
performing front  
quarter collision  
course intercept  
without error.

1.7.5.2.5.1.2.1

State the procedure for  
front quarter collision  
course intercept and  
limits within which it  
may be performed in  
correct order with no  
omissions.

1.7.5.2.5.1.2.1.1

State the associated  
critical values,  
tolerances, and limits  
for front quarter  
collision course  
intercept procedure  
without

1.7.5.2.5.1.2.1.2

Perform collision  
course intercept  
(Page:607)  
1.7.5.2.5.1

Perform head-on  
collision course  
intercept  
1.7.5.2.5.1.3

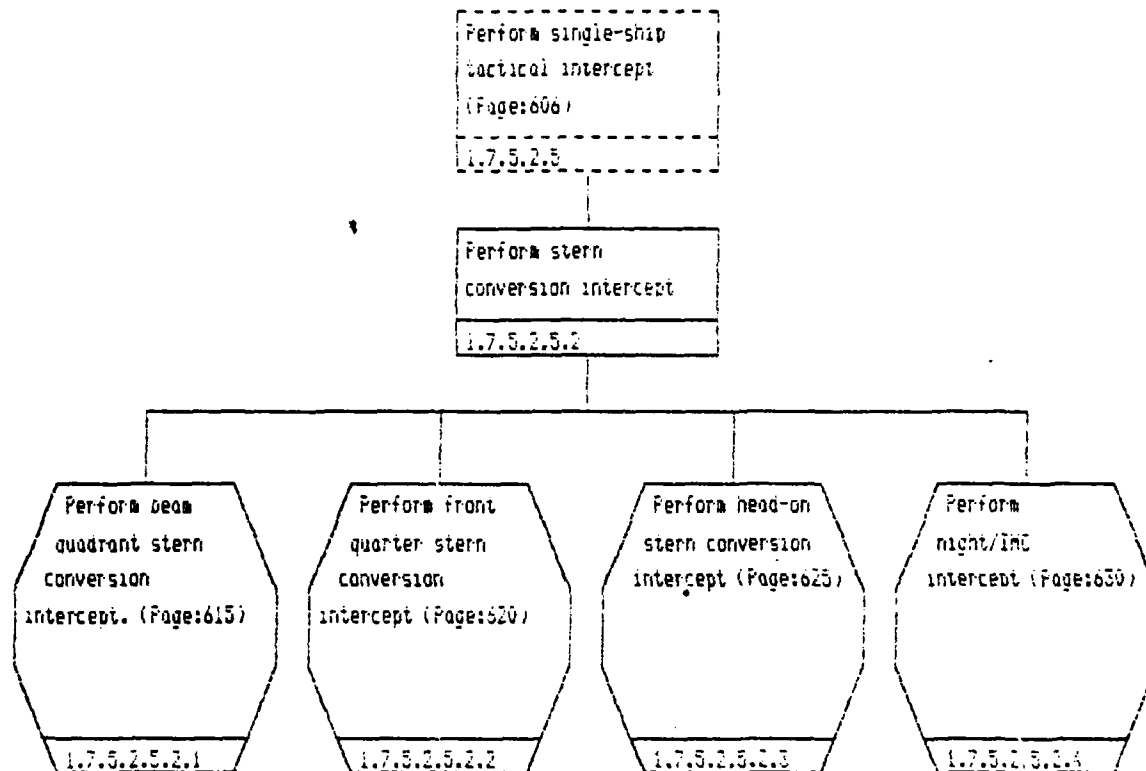
Given avionic  
and visual cues,  
describe subsequent  
specific actions to  
take in performing  
head-on collision  
course intercept  
without error, with no  
omissions. (Page:613)  
1.7.5.2.5.1.3.1

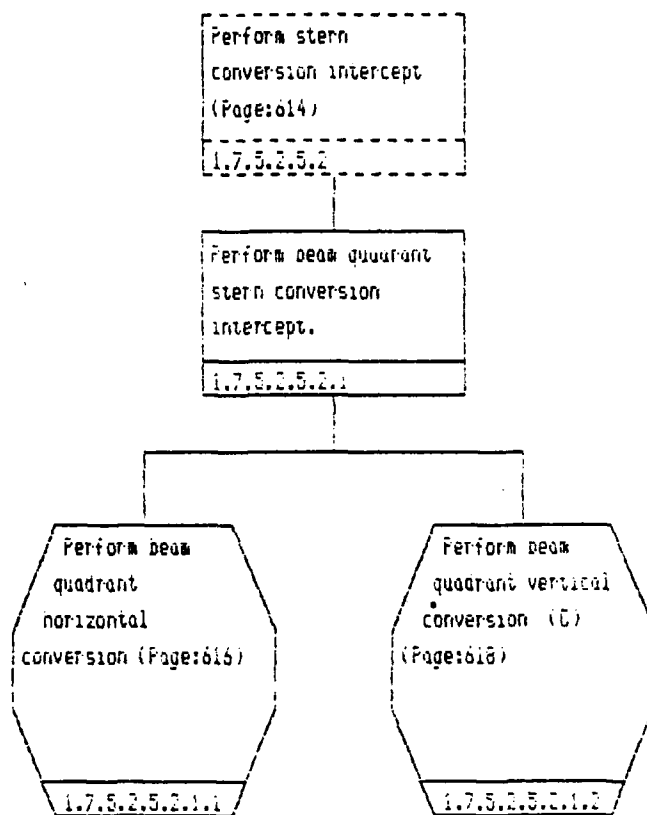
Perform head-on  
collision course  
intercept (Page:612)  
1.7.5.2.5.1.3

Given avionic and  
visual cues, describe  
subsequent specific  
actions to take in  
performing head-on  
collision course  
intercept without  
error, with no  
omissions.  
1.7.5.2.5.1.3.1

State the procedure for  
head-on collision  
course intercept in  
correct order with no  
omissions.  
1.7.5.2.5.1.3.1.1

State the associated  
critical values,  
tolerances, and limits  
for head-on collision  
course intercept  
procedure without error.  
1.7.5.2.5.1.3.1.2





Perform beam quadrant  
stern conversion  
intercept. (Page:615)  
1.7.5.2.5.2.1

Perform beam quadrant  
horizontal conversion  
1.7.5.2.5.2.1.1

Given avionic  
and visual cues,  
describe subsequent  
specific actions  
without error to take  
in performing beam  
quadrant horizontal  
conversion (Page:617)  
1.7.5.2.5.2.1.1.1

Perform beam quadrant  
horizontal conversion  
(Page:616)

1.7.5.2.5.2.1.1

Given avionic and  
visual cues, describe  
subsequent specific  
actions without error  
to take in performing  
beam quadrant  
horizontal conversion

1.7.5.2.5.2.1.1.1

State the procedure for  
beam quadrant  
horizontal conversion  
and limits within which  
it may be performed in  
correct order with no  
omissions.

1.7.5.2.5.2.1.1.1.1



Perform beam quadrant  
stern conversion  
intercept. (Page:615)  
1.7.5.2.5.2.1

Perform beam quadrant  
vertical conversion (C)  
1.7.5.2.5.2.1.2

Given avionic  
and visual cues,  
describe subsequent  
specific actions to  
take in performing beam  
quadrant vertical  
conversion without  
error. (Page:619)  
1.7.5.2.5.2.1.2.1

Perform beam quadrant  
vertical conversion  
(C) (Page:618)

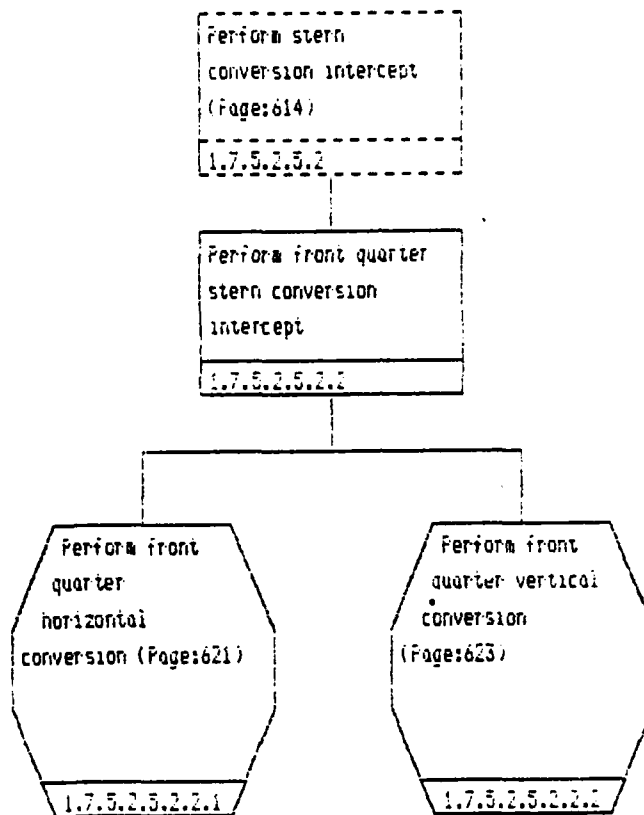
1.7.5.2.5.2.1.2

Given avionic and  
visual cues, describe  
subsequent specific  
actions to take in  
performing beam  
quadrant vertical  
conversion without  
error.

1.7.5.2.5.2.1.2.1

State the procedure for  
beam quadrant vertical  
conversion and limits  
within which it may be  
performed in correct  
order with no omissions.

1.7.5.2.5.2.1.2.1.1



Perform front quarter  
stern conversion  
intercept (Page:620)

1.7.5.2.5.2.2

Perform front quarter  
horizontal conversion

1.7.5.2.5.2.1

Given avionic  
and visual cues,  
describe subsequent  
specific actions to  
take on performing  
front quarter  
horizontal conversion  
without error.  
(Page:622)

1.7.5.2.5.2.1.

Perform front quarter  
horizontal conversion  
(Page:621)

1.7.5.2.5.2.2.1

Given avionic and  
visual cues, describe  
subsequent specific  
actions to take on  
performing front  
quarter horizontal  
conversion without  
error.

1.7.5.2.5.2.2.1.1

State the procedure for  
front quarter  
horizontal conversion  
and limits within which  
it may be performed in  
correct order with no  
omissions.

1.7.5.2.5.2.2.1.1.1

Perform front quarter  
stern conversion  
intercept (Page:620)  
1.7.5.2.5.2.2

Perform front quarter  
vertical conversion  
1.7.5.2.5.2.2.2

Given avionic  
cues and visual  
cues, describe  
subsequent specific  
actions to take in  
performing front  
quarter horizontal  
conversion without  
error. (Page:624)  
1.7.5.2.5.2.2.2.

Perform front quarter  
vertical conversion  
(Page:623)

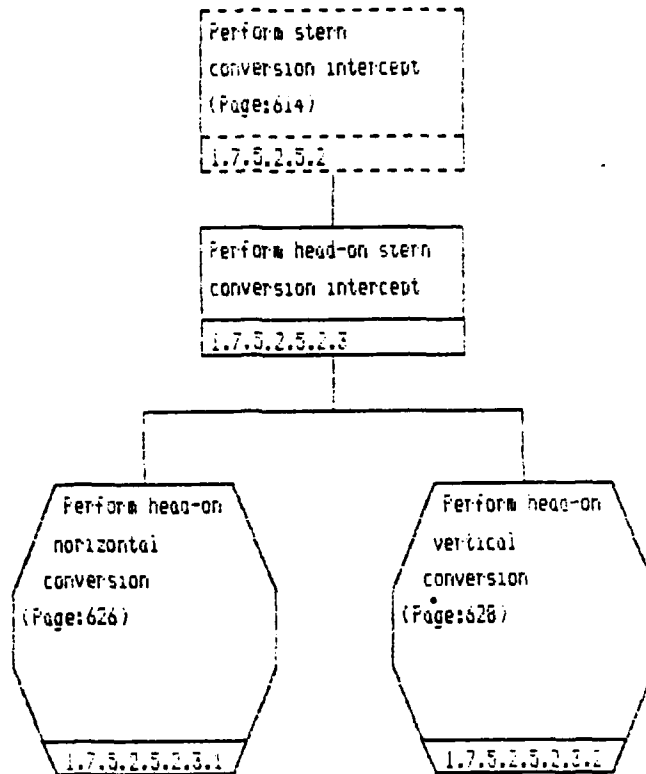
1.7.5.2.5.2.2.3

Given avionic cues and  
visual cues, describe  
subsequent specific  
actions to take in  
performing front  
quarter horizontal  
conversion without  
error.

1.7.5.2.5.2.2.1

State the procedure for  
front quarter  
horizontal conversion  
and limits within which  
it may be performed in  
correct order with no  
omissions.

1.7.5.2.5.2.2.1.1





Perform head-on stern  
conversion intercept  
(Page:625)  
1.7.5.2.5.2.3

Perform head-on  
horizontal conversion  
1.7.5.2.5.2.3.1

Given avionic  
and visual cues,  
describe subsequent  
specific actions to  
take in performing  
head-on horizontal  
conversion without  
error. (Page:627)  
1.7.5.2.5.2.3.1.1

Perform head-on  
horizontal conversion  
(Page:626)

1.7.5.2.5.2.3.1

Given avionic and  
visual cues, describe  
subsequent specific  
actions to take in  
performing head-on  
horizontal conversion  
without error.

1.7.5.2.5.2.3.1.1

State the procedure for  
head-on horizontal  
conversion and limits  
within which it may be  
performed in correct  
order with no omissions.

1.7.5.2.5.2.3.1.1.1

Perform head-on stern  
conversion intercept  
(Page:625)

1.7.5.2.5.2.3

Perform head-on  
vertical conversion

1.7.5.2.5.2.3.1

Given avionic  
and visual cues,  
describe subsequent  
specific actions to  
take in performing  
head-on vertical  
conversion without  
error. (Page:629)

1.7.5.2.5.2.3.2.

Perform head-on  
vertical conversion  
(Page: 628)

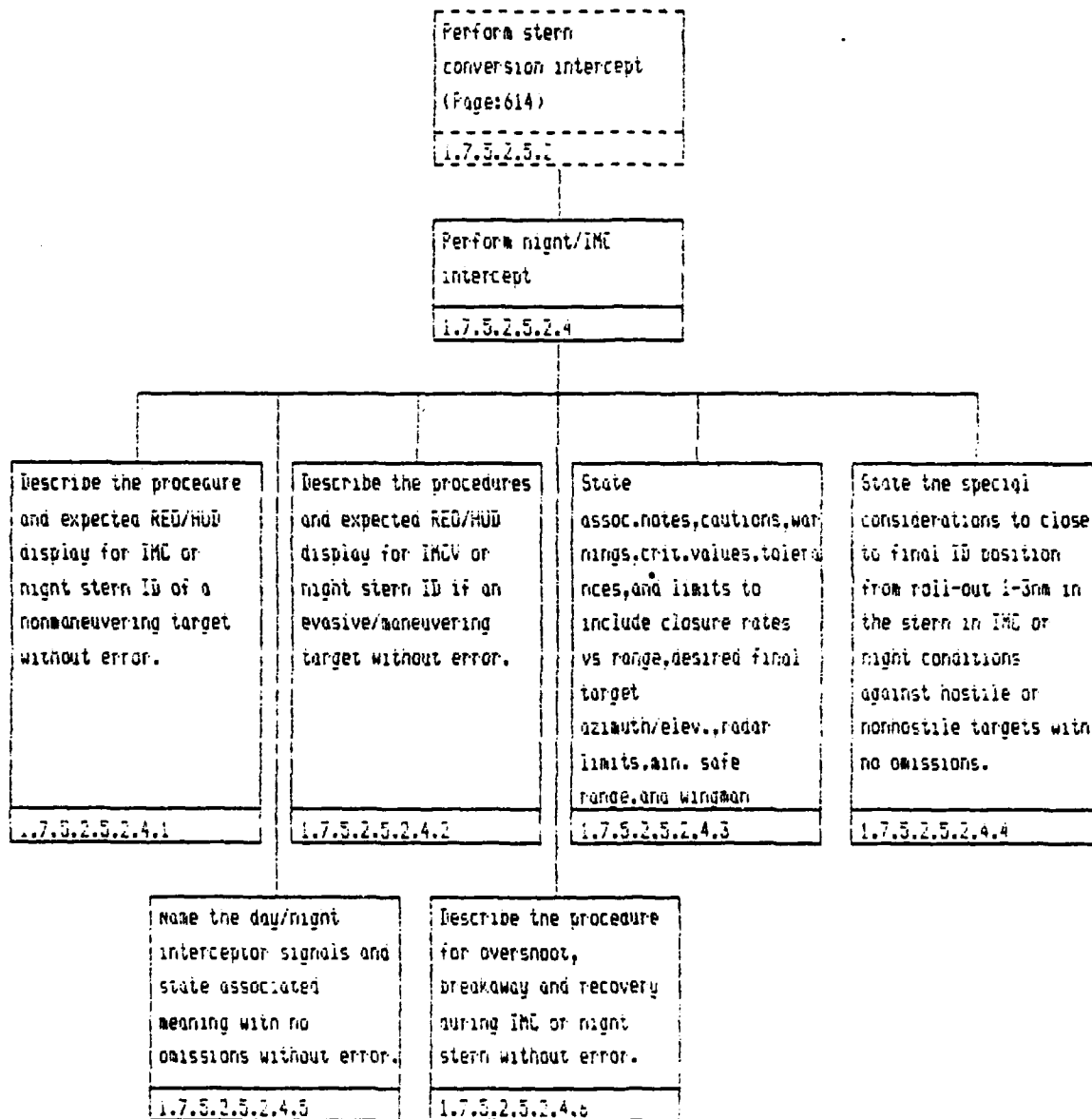
1.7.5.2.5.2.3.2

Given avionic and  
visual cues, describe  
subsequent specific  
actions to take in  
performing head-on  
vertical conversion  
without error.

1.7.5.2.5.2.3.2.1

State the procedure for  
head-on vertical  
conversion and limits  
within which it may be  
performed in correct  
order with no omissions.

1.7.5.2.5.2.3.2.1.1



Perform tactical  
intercept (Page:524)

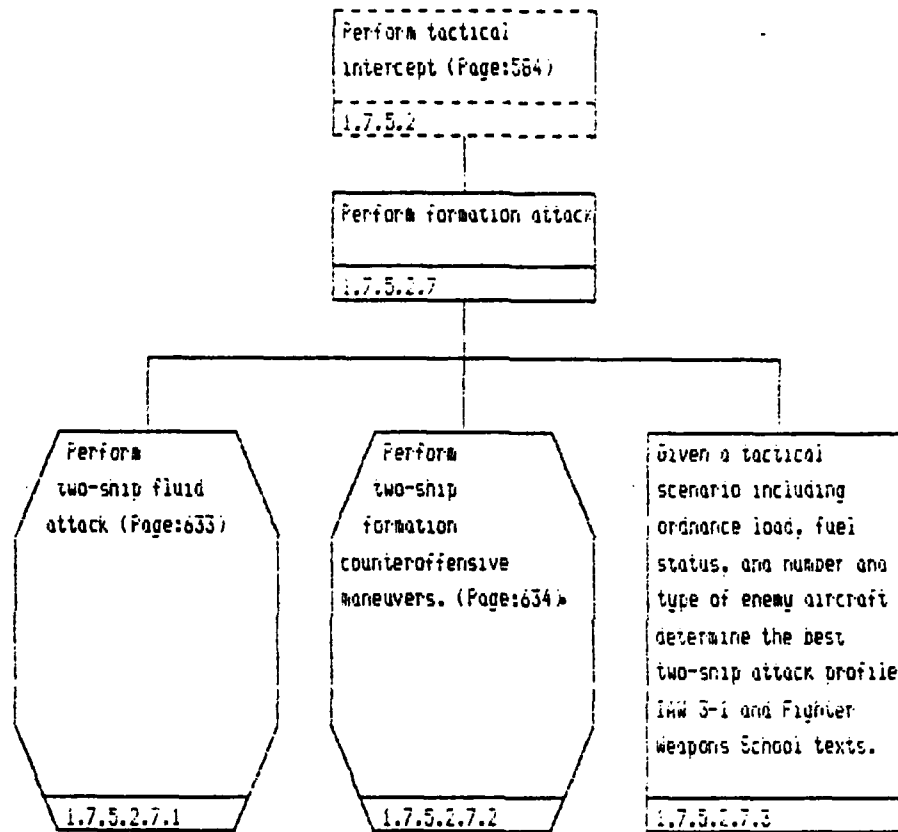
1.7.5.2

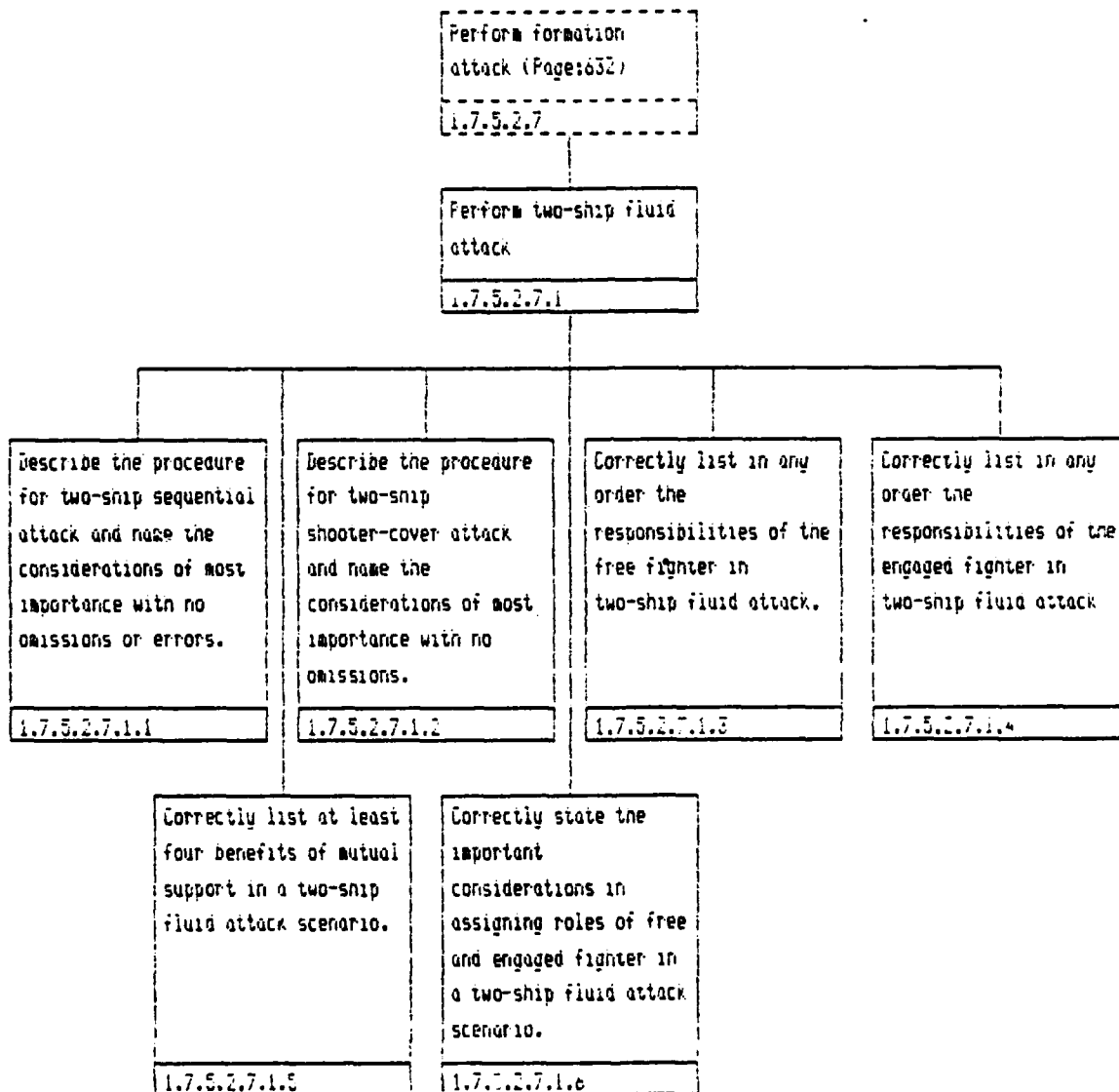
Respond to maneuvering  
bogey (BVR)

1.7.5.2.8

Given a tactical  
scenario including  
RED/RHAW indications  
determine the best  
response IAW 3-1 and  
Fighter Weapons School  
texts.

1.7.5.2.8.1







Perform formation  
attack (Page:632)

1.7.5.2.7

Perform two-ship  
formation  
counteroffensive  
maneuvers.

1.7.5.2.7.2

Given a counter  
offensive scenario  
including enemy  
aircraft type,  
armament, aspect angle,  
closure, and range,  
correctly state the  
best initial move to  
negate the attack.

1.7.5.2.7.2.1

Correctly state the  
important consideration  
in assigning roles of  
free and engaged  
fighter in a two-ship  
counteroffensive  
scenario.

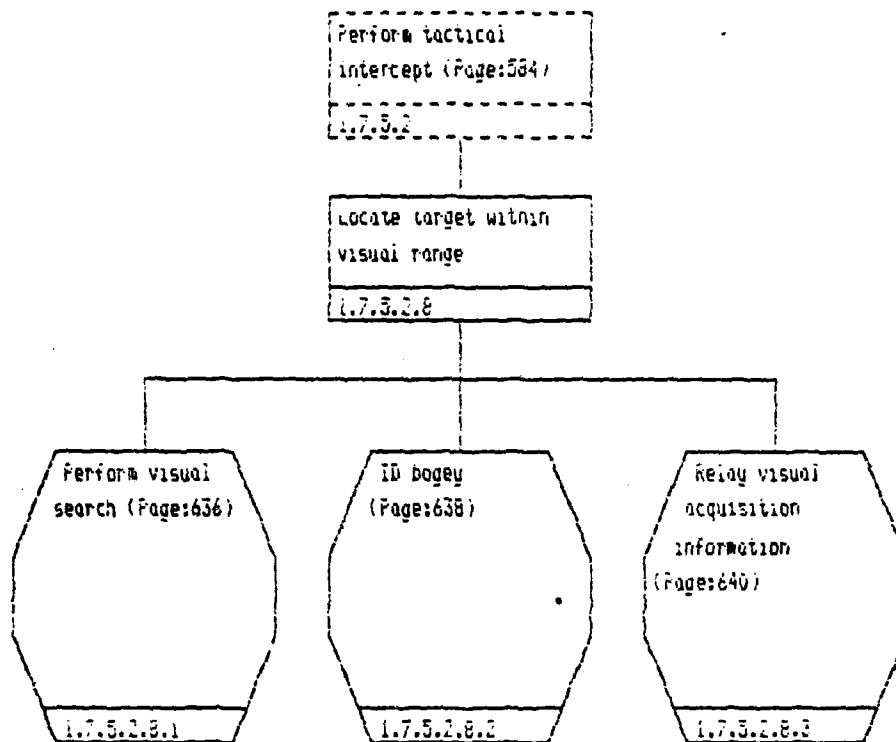
1.7.5.2.7.2.2

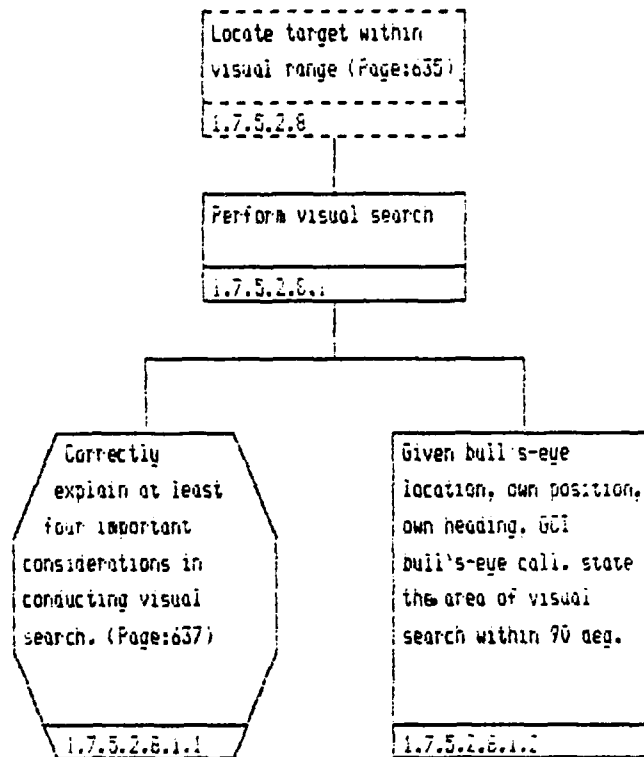
Describe the procedures  
and important  
considerations for the  
engaged fighter in a  
two-ship  
counteroffensive  
scenario with no  
omissions or errors.

1.7.5.2.7.2.3

Describe the procedure  
and important  
considerations for the  
free fighter in a  
two-ship  
counteroffensive  
scenario with no  
omissions or errors.

1.7.5.2.7.2.4





Perform visual search  
(Page: 636)

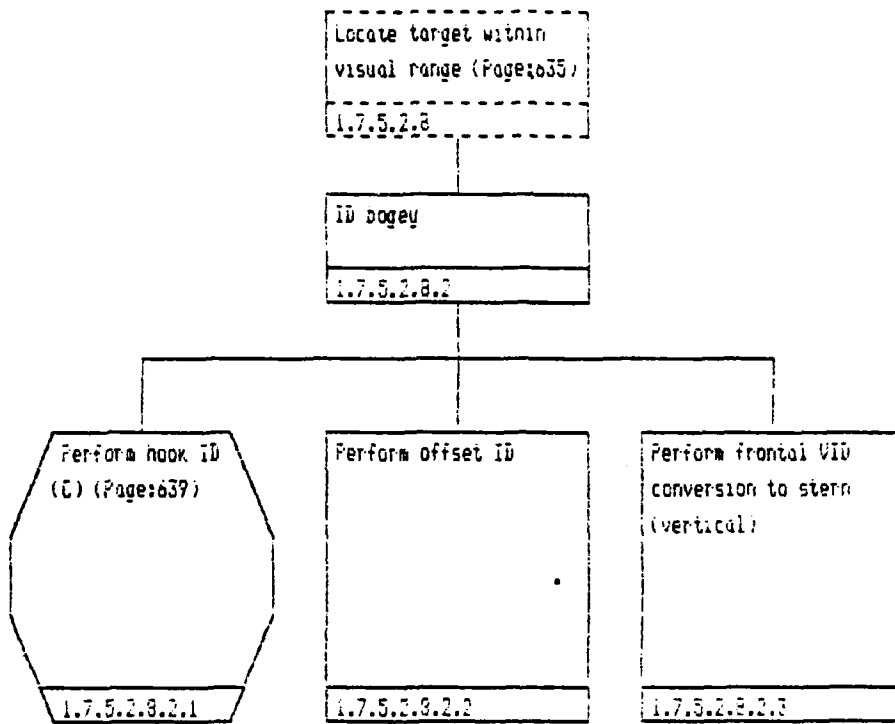
1.7.5.2.8.1

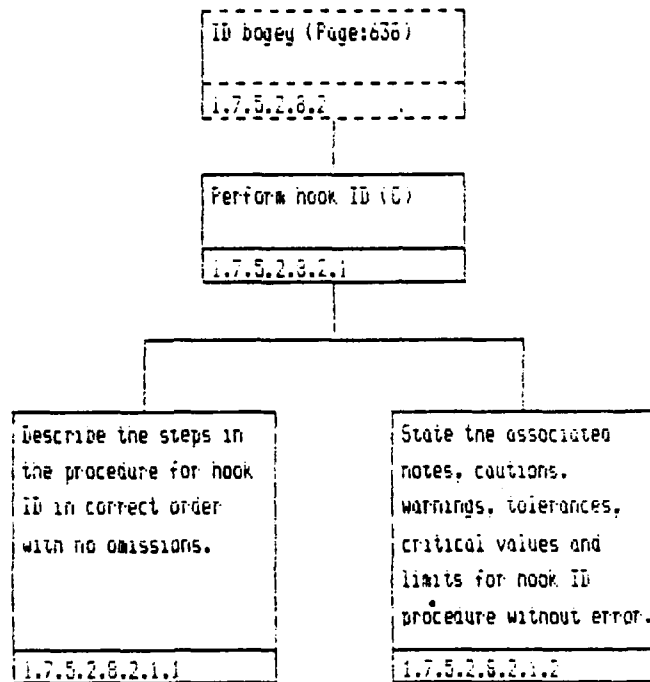
Correctly explain at  
least four important  
considerations in  
conducting visual  
search.

1.7.5.2.8.1.1

Given an REO  
presentation of a  
target, either  
locked-on or not  
locked-on, correctly  
state the appropriate  
direction of visual  
search within 30 deg.  
laterally and  
vertically.

1.7.5.2.8.1.1.1





Locate target within  
visual range (Page:635)

1.7.5.2.6

Relay visual  
acquisition information

1.7.5.2.8.3

State the types of  
visual acquisition  
information to be  
relayed with no  
omissions and describe  
the format of the  
message without error.

1.7.5.2.8.3.1

Perform tactical  
intercept (Page:684)

1.7.5.2

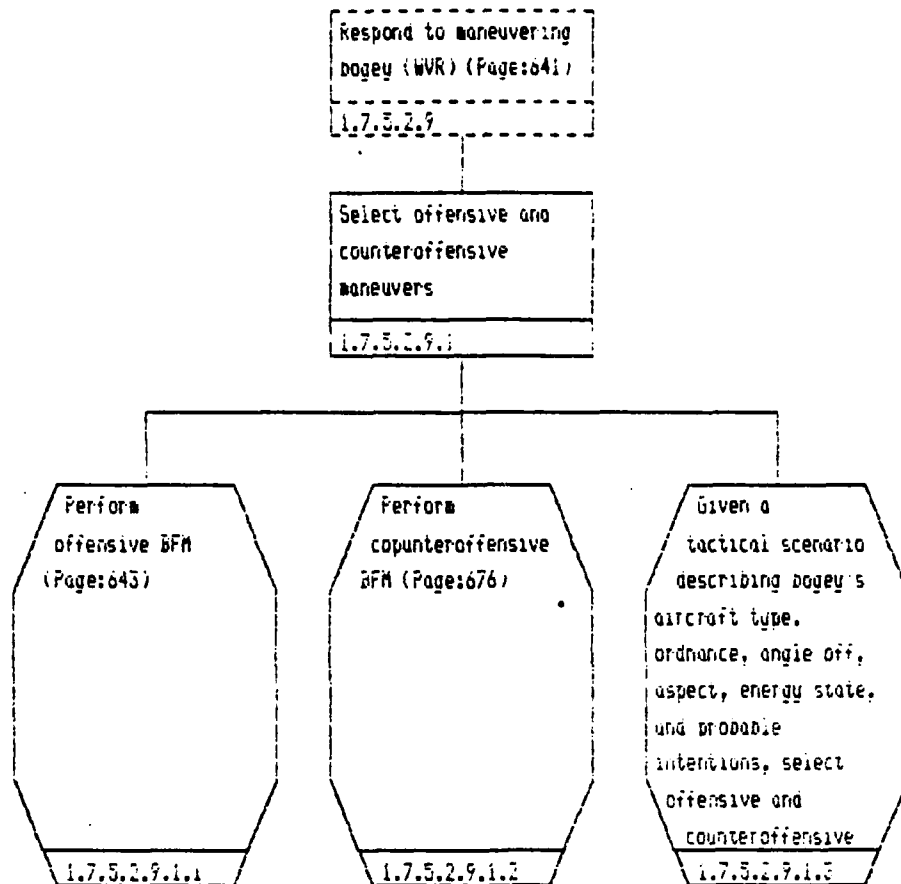
Respond to maneuvering  
bogey (WVR)

1.7.5.2.9

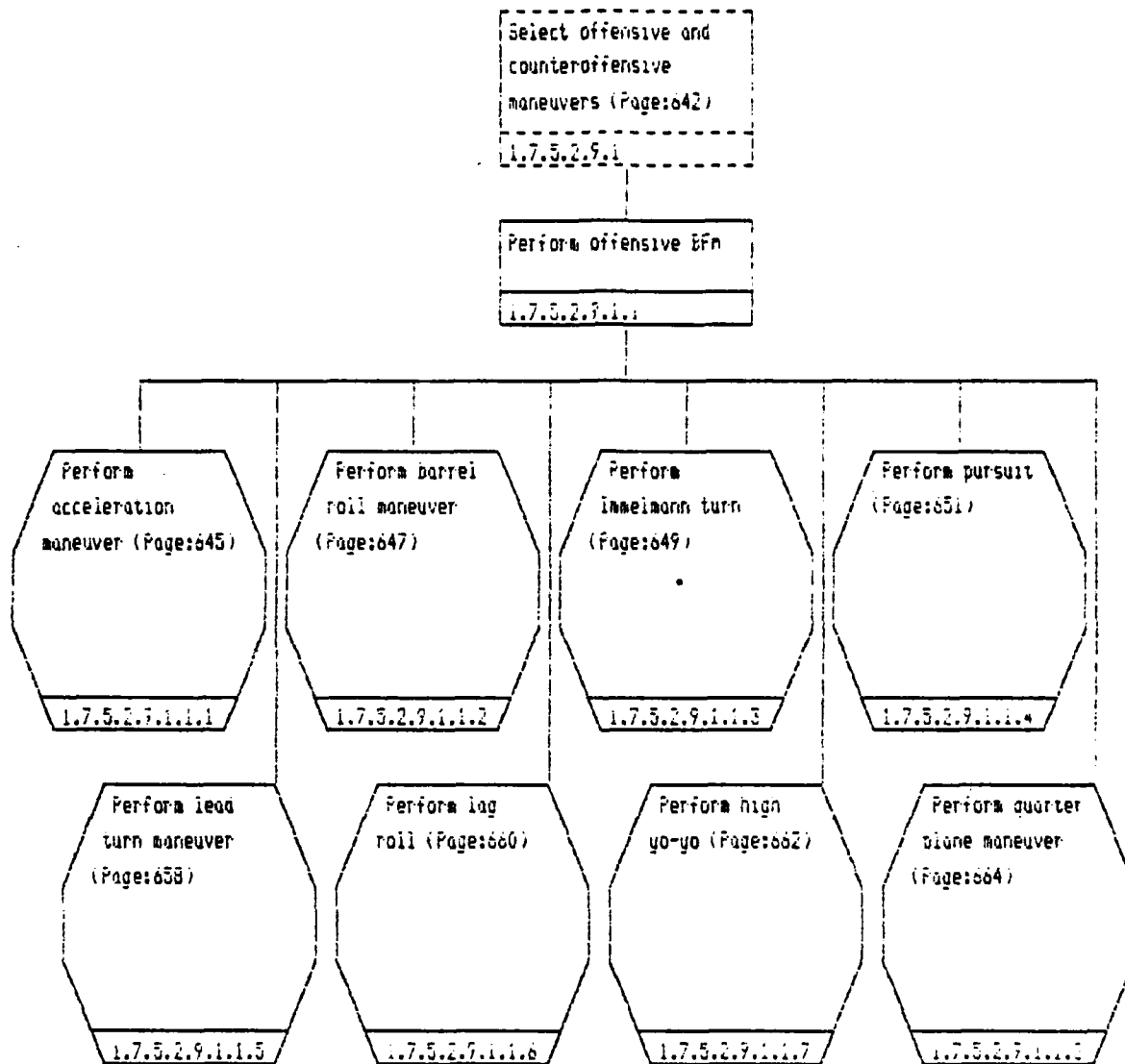
Select  
offensive and  
counteroffensive  
maneuvers (Page:642) •

1.7.5.2.9.1

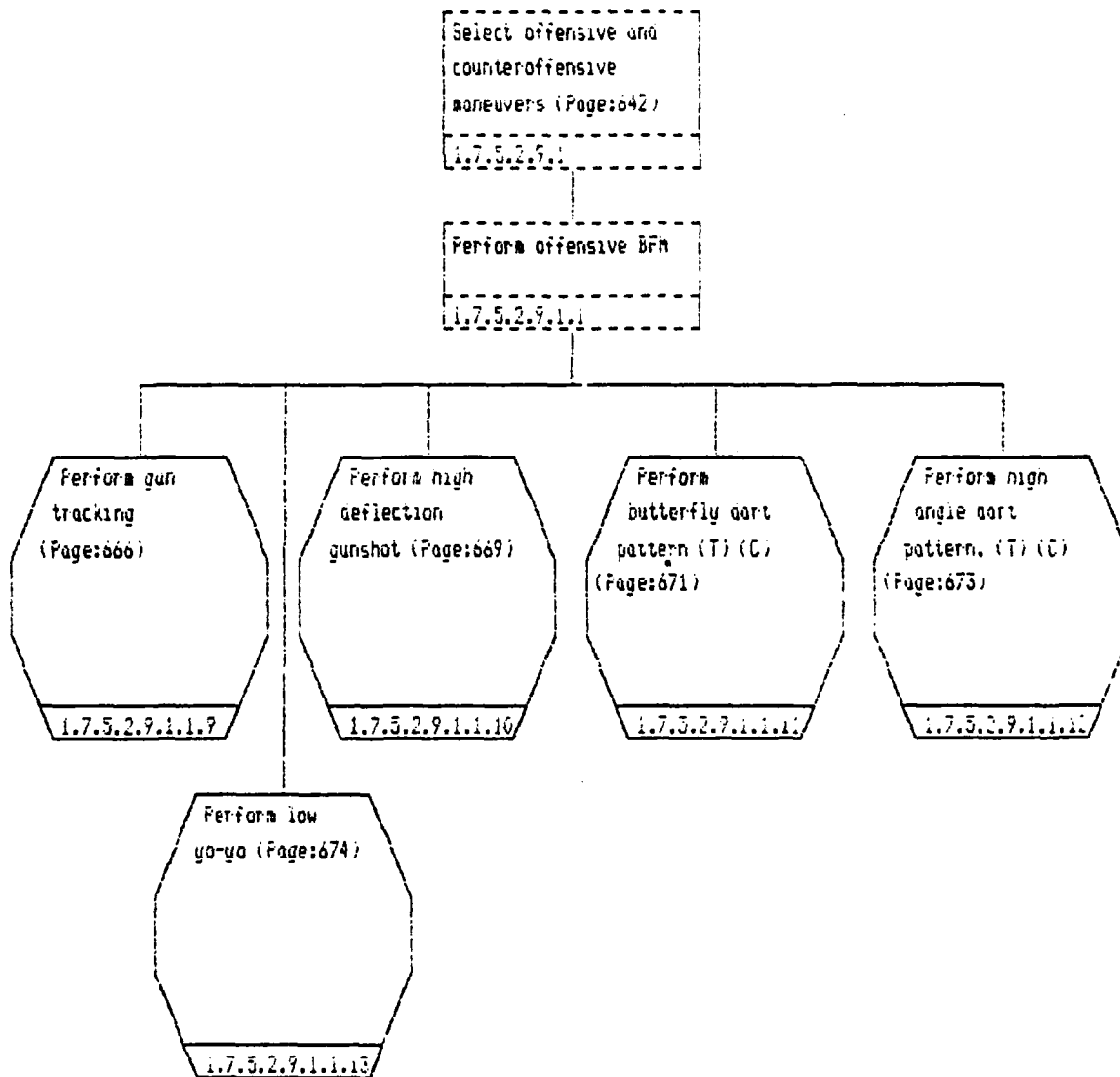




Continued on page: 644



Continued from page: 643



Perform offensive BFM  
(Page:643)

1.7.5.2.9.1.1

Perform acceleration  
maneuver

1.7.5.2.9.1.1.1

Given own  
position during  
an acceleration  
maneuver and target's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the phase  
manual, FWIC

Instructional

1.7.5.2.9.1.1.1.1

Perform acceleration  
maneuver (Page:645)

1.7.5.2.9.1.1.1

Given own position  
during an acceleration  
maneuver and target's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the phase  
manual, FWIC  
Instructional texts,  
and TRICOM Manual 3-1

1.7.5.2.9.1.1.1.1

Correctly state the  
purpose of the  
acceleration maneuver  
IAW Fighter Weapons  
School texts.

1.7.5.2.9.1.1.1.1.1

Given an offensive one  
versus one scenario  
containing all  
pertinent data,  
identify those  
scenario(s) where the  
acceleration maneuver  
is appropriate IAW  
Fighter Weapons texts.

1.7.5.2.9.1.1.1.1.2

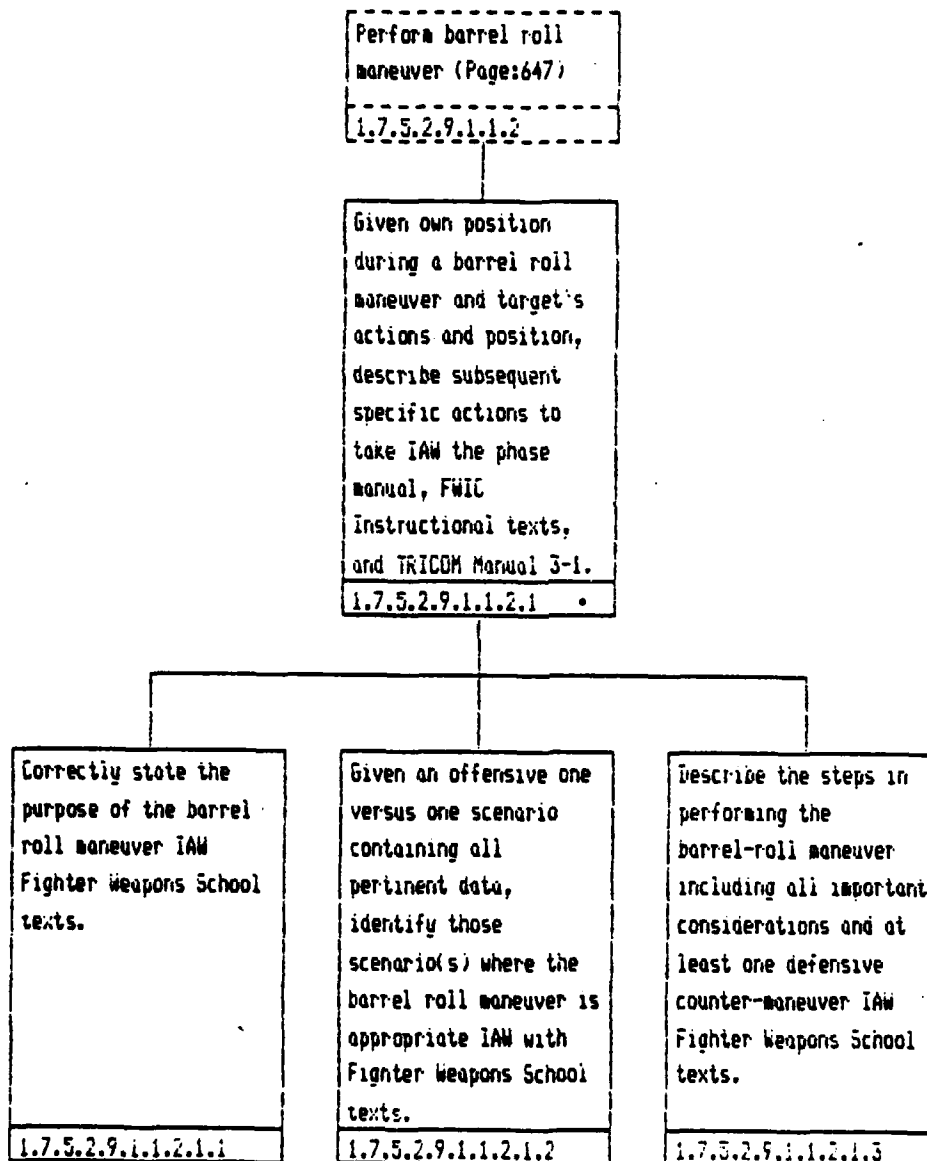
Describe the steps in  
performing the  
acceleration maneuver  
including all important  
considerations and at  
least one defensive  
counter maneuver IAW  
Fighter Weapons School  
texts.

1.7.5.2.9.1.1.1.1.3

Perform offensive BFH  
(Page:643)  
1.7.5.2.9.1.1

Perform barrel roll  
maneuver  
1.7.5.2.9.1.1.2

Given own  
position during a  
barrel roll  
maneuver and target's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the phase  
manual, FWIC  
Instructional  
1.7.5.2.9.1.1.2.



Perform offensive BFH  
(Page:643)  
1.7.5.2.9.1.1

Perform Immeimann turn  
1.7.5.2.9.1.1.3

Given own  
position during  
an Immeimann turn  
maneuver and target's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the phase  
manual, FWIC  
Instructional  
1.7.5.2.9.1.1.3.



Perform Immelmann turn  
(Page:649)

1.7.5.2.9.1.1.3

Given own position during an Immelmann turn maneuver and target's actions and position, describe subsequent specific actions to take IAW the phase manual, FWIC Instructional texts, and TRICOM Manual 3-1.

1.7.5.2.9.1.1.3.1

Correctly state the purpose of the Immelmann turn maneuver IAW Fighter Weapons School texts.

1.7.5.2.9.1.1.3.1.1

Given an offensive one versus one scenario containing all pertinent data, identify those scenario(s) where the Immelmann turn maneuver is appropriate IAW with Fighter Weapons School texts.

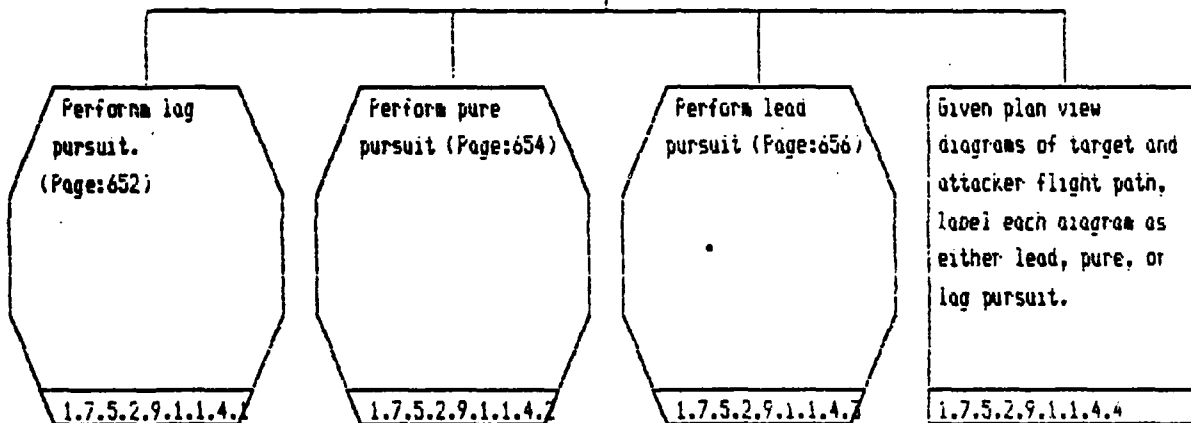
1.7.5.2.9.1.1.3.1.2

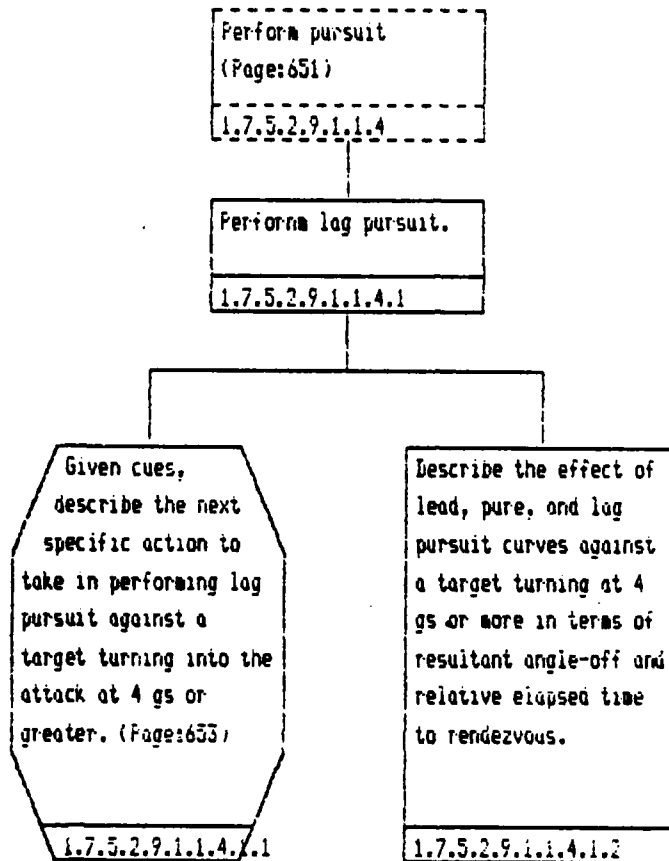
Describe the steps in performing the Immelmann turn maneuver including all important considerations and at least one defensive counter-maneuver IAW Fighter Weapons School texts.

1.7.5.2.9.1.1.3.1.3

Perform offensive BFH  
(Page:643)  
1.7.5.2.9.1.1

Perform pursuit  
1.7.5.2.9.1.1.4





Perform log pursuit.  
(Page:652)

1.7.5.2.9.1.1.4.1

Given cues, describe  
the next specific  
action to take in  
performing log pursuit  
against a target  
turning into the attack  
at 4 gs or greater.

1.7.5.2.9.1.1.4.1.1

Describe the steps in  
the procedure for log  
pursuit in correct  
order with no omissions.

1.7.5.2.9.1.1.4.1.1.1

Perform pursuit  
(Page:651)  
1.7.5.2.9.1.1.4

Perform pure pursuit  
1.7.5.2.9.1.1.4.2

Given cues,  
describe next  
specific action to  
take in performing pure  
pursuit against both a  
target flying straight  
ahead and one turning  
into the attack at 4 gs  
or greater IAW Phase  
Manual. (Page:655)  
1.7.5.2.9.1.1.4.2.1

Perform pure pursuit  
(Page:654)

1.7.5.2.9.1.1.4.2

Given cues, describe  
next specific action to  
take in performing pure  
pursuit against both a  
target flying straight  
ahead and one turning  
into the attack at 4 gs  
or greater IAW Phase  
Manual.

1.7.5.2.9.1.1.4.2.1

Describe the steps in  
the procedure for pure  
pursuit in correct  
order with no omissions.

1.7.5.2.9.1.1.4.2.1.1

Perform pursuit  
(Page:651)  
1.7.5.2.9.1.1.4

Perform lead pursuit  
1.7.5.2.9.1.1.4.3

Given cues,  
describe next  
specific action to  
take in performing lead  
pursuit against a  
target turning into the  
attack at 4 gs or  
greater IAW Phase  
Manual. (Page:657)  
1.7.5.2.9.1.1.4.2.1

Perform lead pursuit  
(Page:656)

1.7.5.2.9.1.1.4.3

Given cues, describe  
next specific action to  
take in performing lead  
pursuit against a  
target turning into the  
attack at 4 gs or  
greater IAW Phase  
Manual.

1.7.5.2.9.1.1.4.3.1

Describe the steps in  
the procedure for lead  
pursuit in correct  
order with no omissions.

1.7.5.2.9.1.1.4.3.1.1



Perform offensive BFn  
(Page:643)

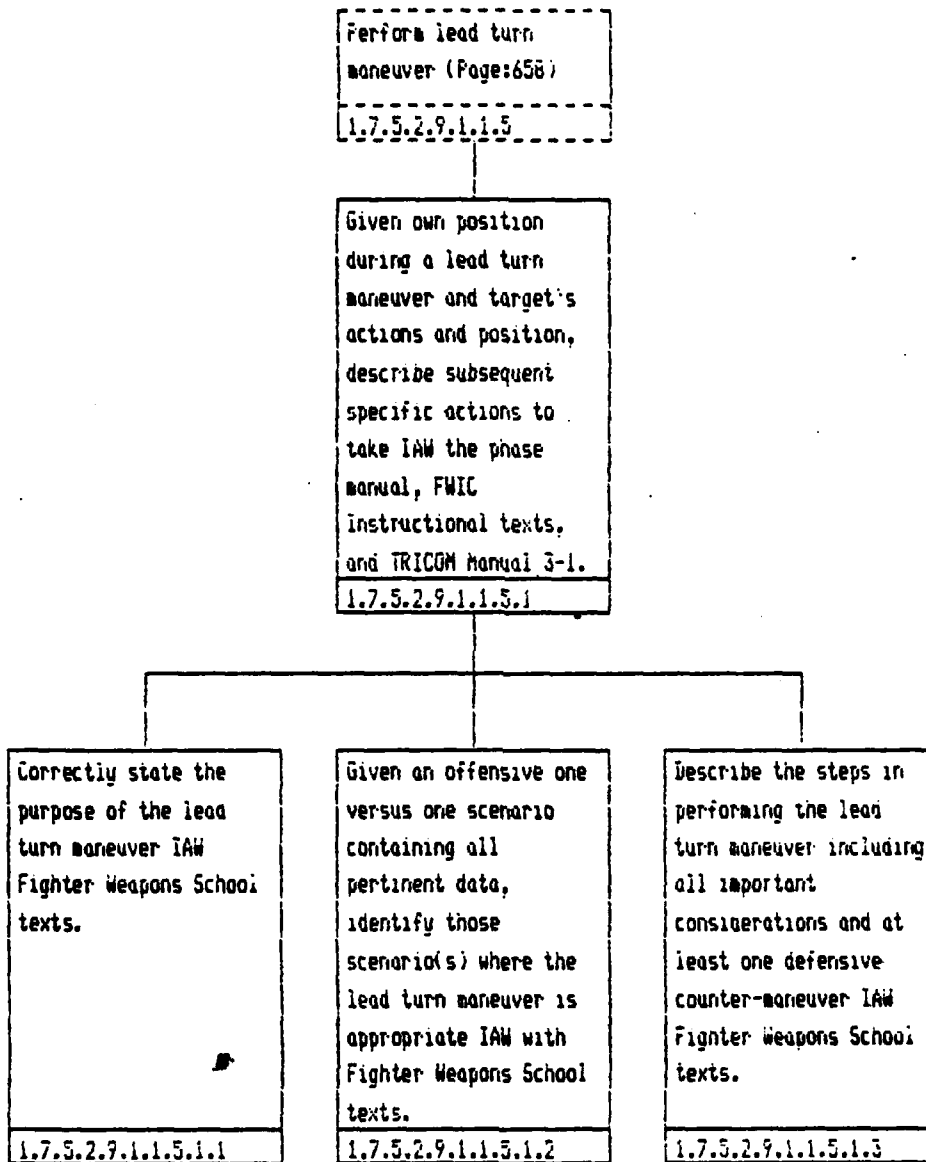
1.7.5.2.9.1.1

Perform lead turn  
maneuver

1.7.5.2.9.1.1.5

Given own  
position during a  
lead turn maneuver  
and target's actions  
and position, describe  
subsequent specific  
actions to take IAW the  
phase manual, FWIC  
Instructional texts,  
and TRICOH manual

1.7.5.2.9.1.1.5.



Perform offensive BFH  
(Page:643)  
1.7.5.2.9.1.1

Perform lag roll  
1.7.5.2.9.1.1.6

Given own  
position during a  
lag roll maneuver  
and target's actions  
and position, describe  
subsequent specific  
actions to take IAW the  
phase manual, FWIC  
Instructional texts,  
and TRICOM Manual  
1.7.5.2.9.1.1.6.1

Perform lag roll  
(Page:660)

1.7.5.2.9.1.1.6

Given own position  
during a lag roll  
maneuver and target's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the phase  
manual, FWIC  
Instructional texts,  
and TRICOM Manual 3-1.

1.7.5.2.9.1.1.6.1

Correctly state the  
purpose of the lag roll  
maneuver IAW Fighter  
Weapons School texts.

1.7.5.2.9.1.1.6.1.1

Given an offensive one  
versus one scenario  
containing all  
pertinent data,  
identify those  
scenario(s) where the  
lag roll maneuver is  
appropriate IAW with  
Fighter Weapons School  
texts.

1.7.5.2.9.1.1.6.1.2

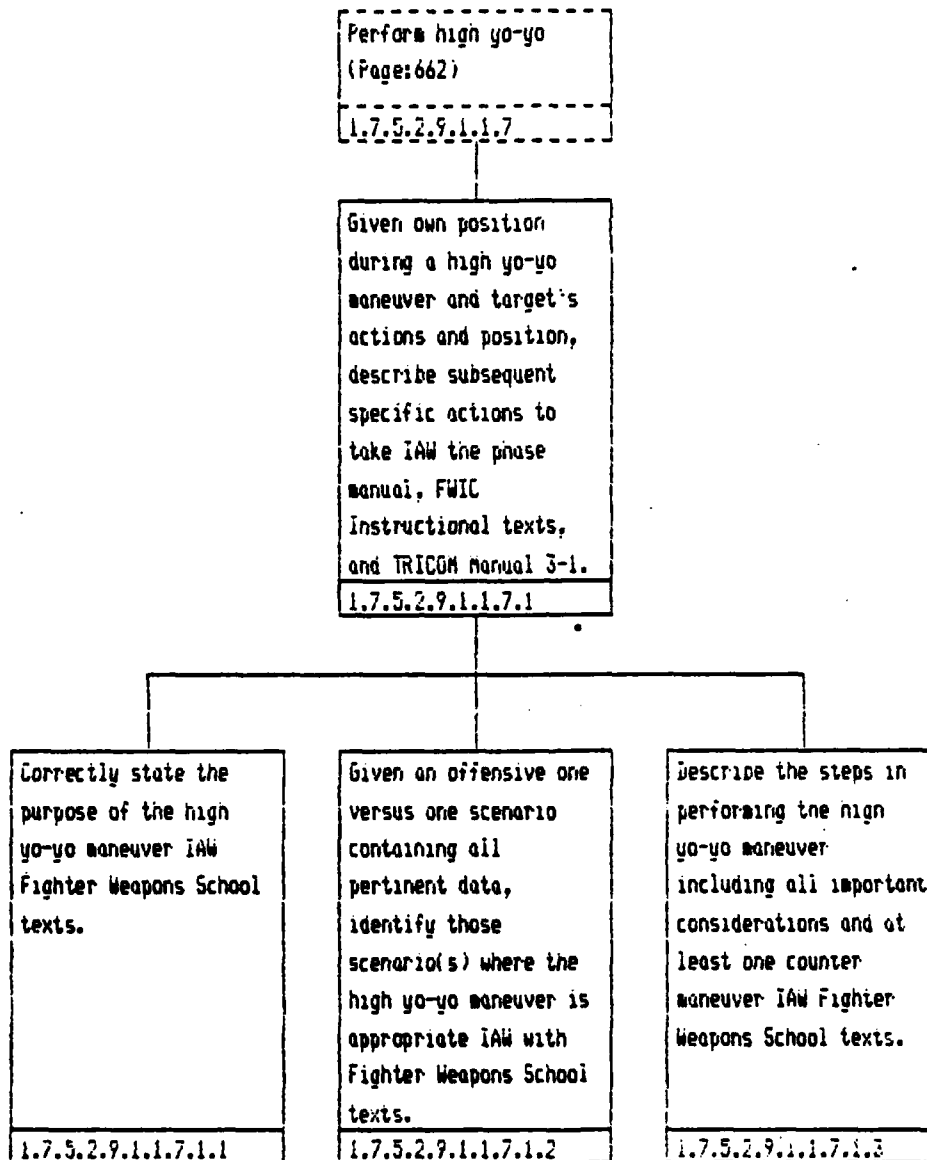
Describe the steps in  
performing the lag roll  
maneuver including the  
important  
considerations and at  
least one  
counter-maneuver IAW  
Fighter Weapons School  
texts.

1.7.5.2.9.1.1.6.1.3

Perform offensive 8Fh  
(Page:643)  
1.7.5.2.9.1.1

Perform high yo-yo  
1.7.5.2.9.1.1.7

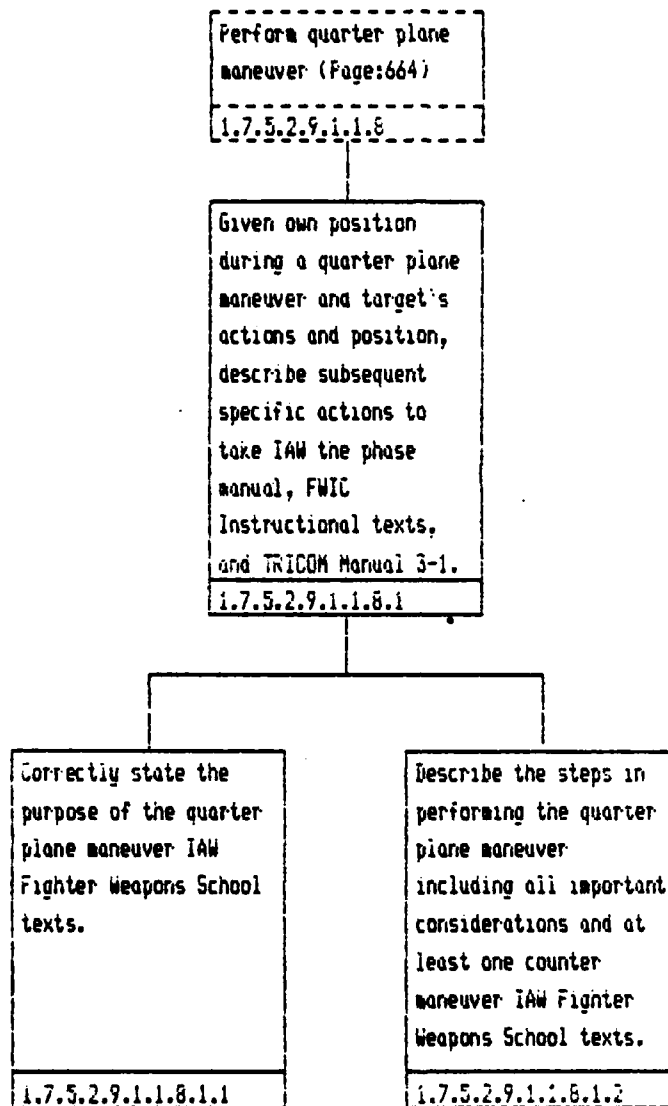
Given own  
position during a  
high yo-yo maneuver  
and target's actions  
and position, describe  
subsequent specific  
actions to take IAW the  
phase manual, FWIC  
Instructional texts,  
and TRICOM Manual  
1.7.5.2.9.1.1.7.



Perform offensive BFH  
(Pages:643)  
1.7.5.2.9.1.1

Perform quarter plane  
maneuver  
1.7.5.2.9.1.1.6

Given own  
position during a  
quarter plane  
maneuver and target's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the phase  
manual, FWIC  
Instructional  
1.7.5.2.9.1.1.8.

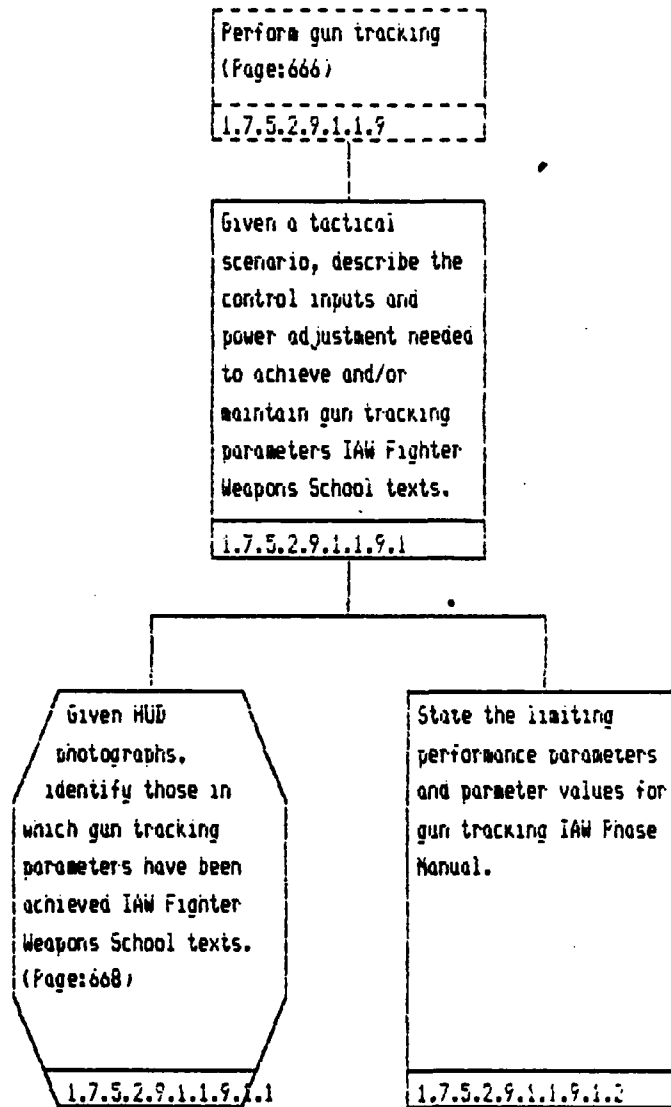




Perform offensive BFH  
(Page:643)  
1.7.5.2.9.1.1

Perform gun tracking  
1.7.5.2.9.1.1.9

Given a tactical scenario, describe the control inputs and power adjustment needed to achieve and/or maintain gun tracking parameters IAW Fighter Weapons School texts.  
(Page:667)  
1.7.5.2.9.1.1.9.



Given a tactical scenario, describe the control inputs and power adjustment needed to achieve and/or maintain gun tracking parameters IAW Fighter Weapons School texts.  
(Page:667)

1.7.5.2.9.1.1.9.1

Given HUD photographs, identify those in which gun tracking parameters have been achieved IAW Fighter Weapons School texts.

1.7.5.2.9.1.1.9.1.1

Describe the following four errors present in a gun tracking situation: parallax, gravity drop, trajectory shift, and kinematic lead; with no errors or omissions, IAW Fighter weapons School texts.

1.7.5.2.9.1.1.9.1.1.1

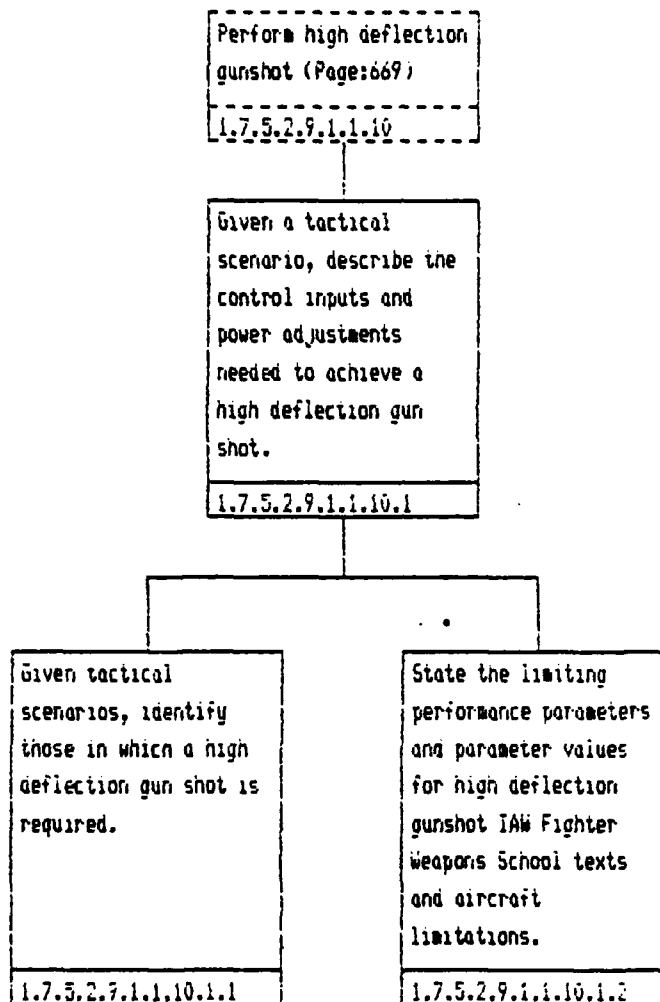
Given a drawing of a turning aircraft including all pertinent data, correctly designate the aircraft's plane of motion.

1.7.5.2.9.1.1.9.1.1.2

Perform offensive BFH  
(Page:643)  
1.7.5.2.9.1.1

Perform high deflection  
gunshot  
1.7.5.2.9.1.1.10

Given a  
tactical  
scenario, describe  
the control inputs and  
power adjustments  
needed to achieve a  
high deflection gun  
shot. (Page:670)  
1.7.5.2.9.1.1.10/1



Perform offensive BFH  
(Page:643)  
1.7.5.2.9.1.1

Perform butterfly dart  
pattern (T) (C)  
1.7.5.2.9.1.1.1

Given avionic  
and visual cues,  
describe subsequent  
actions to take in  
performing a butterfly  
dart pattern IAW  
Fighter Weapons School  
texts and Phase manuals  
within current 55-16  
and 51-50  
1.7.5.2.9.1.1.1.1

Perform butterfly dart  
pattern (T) (C)  
(Page:671)  
1.7.5.2.9.1.1.11

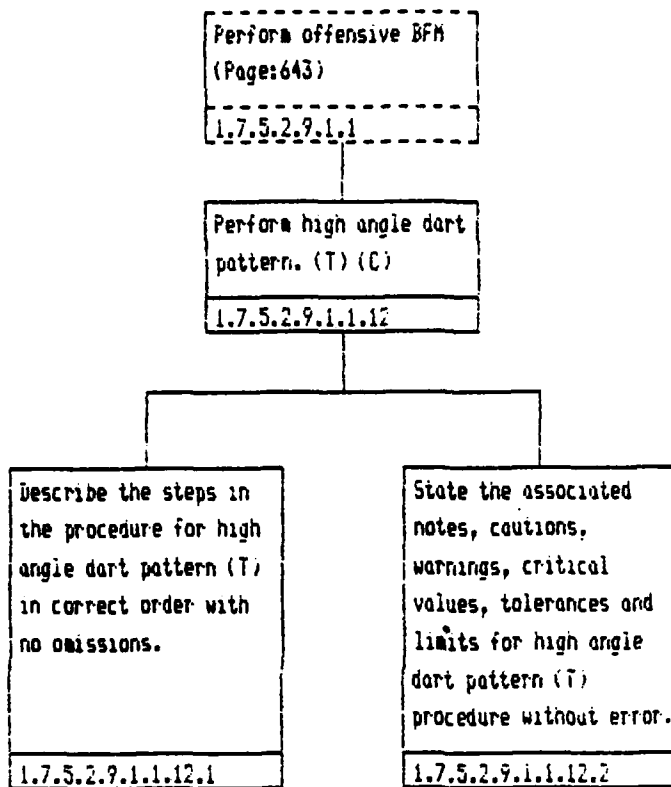
Given avionic and  
visual cues, describe  
subsequent actions to  
take in performing a  
butterfly dart pattern  
IAW Fighter Weapons  
School texts and Phase  
Manuals within current  
55-16 and 51-50  
restrictions.  
1.7.5.2.9.1.1.11.1

State the butterfly  
dart pattern entry  
conditions without  
error.

1.7.5.2.9.1.1.11.1.1

Given HUD photographs,  
identify the correct  
firing parameters for a  
standard dart without  
error.

1.7.5.2.9.1.1.11.1.2

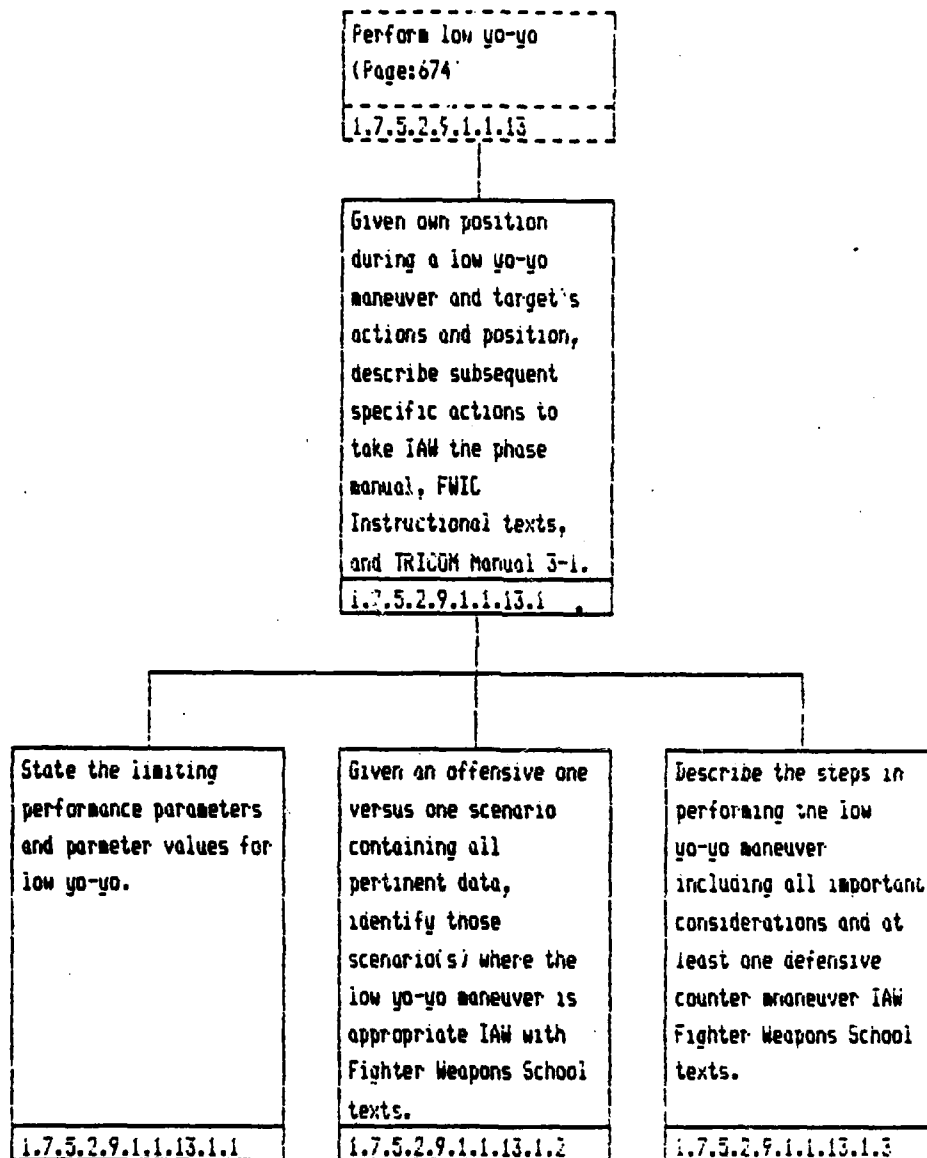




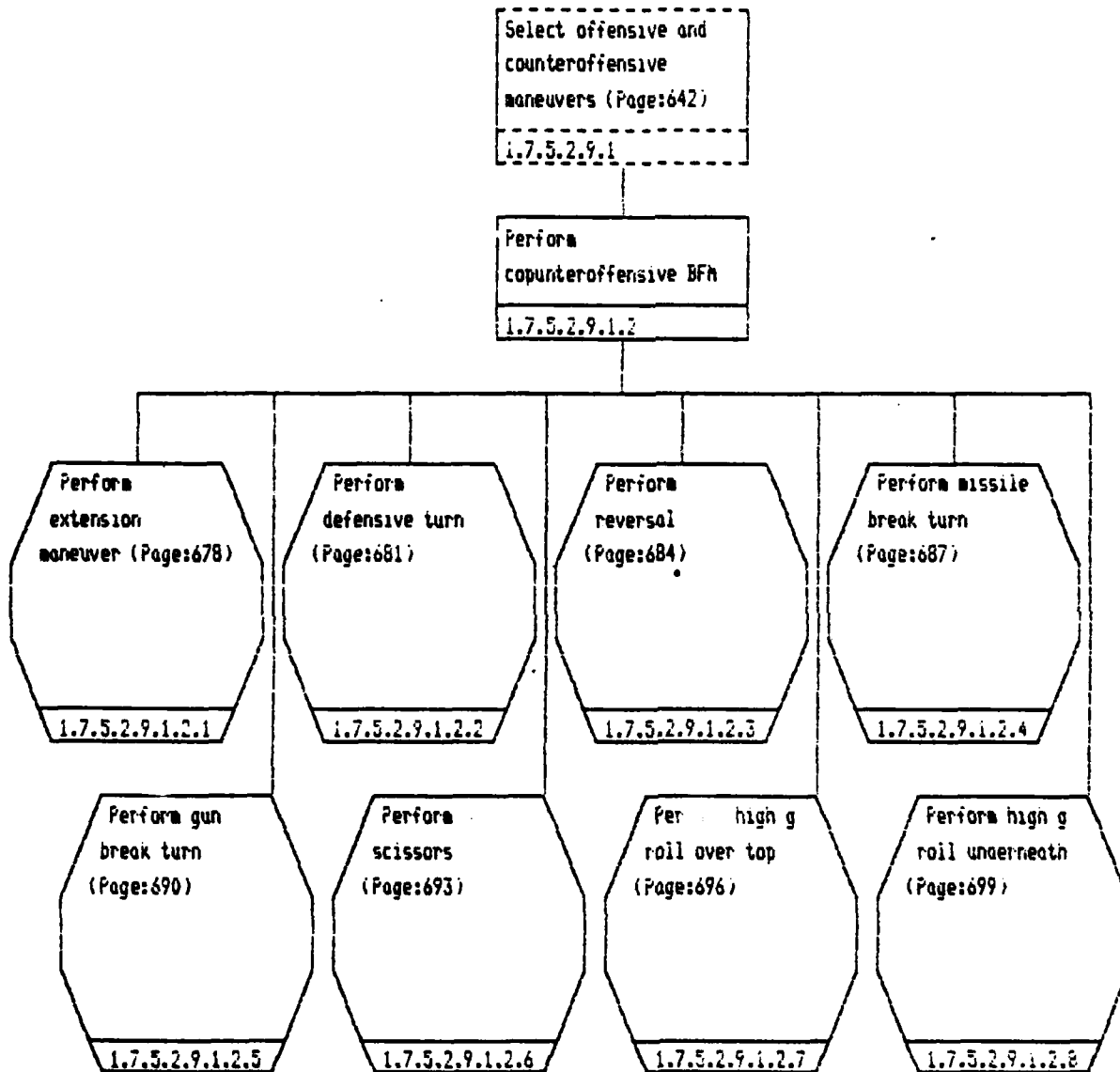
Perform offensive BFM  
(Page:643)  
1.7.5.2.9.1.1

Perform low yo-yo  
1.7.5.2.9.1.1.13

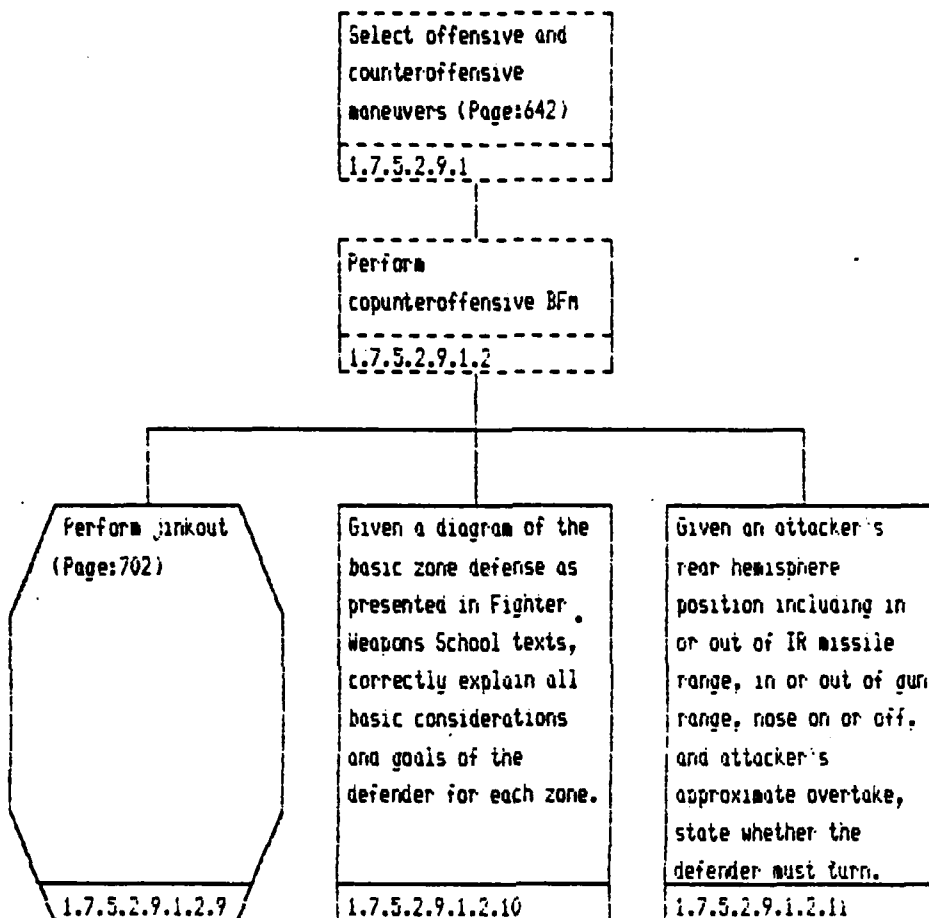
Given own  
position during a  
low yo-yo maneuver  
and target's actions  
and position, describe  
subsequent specific  
actions to take IAW the  
phase manual, FWIC  
Instructional texts,  
and TRICOM Manual  
1.7.5.2.9.1.1.13.1



Continued on page: 677



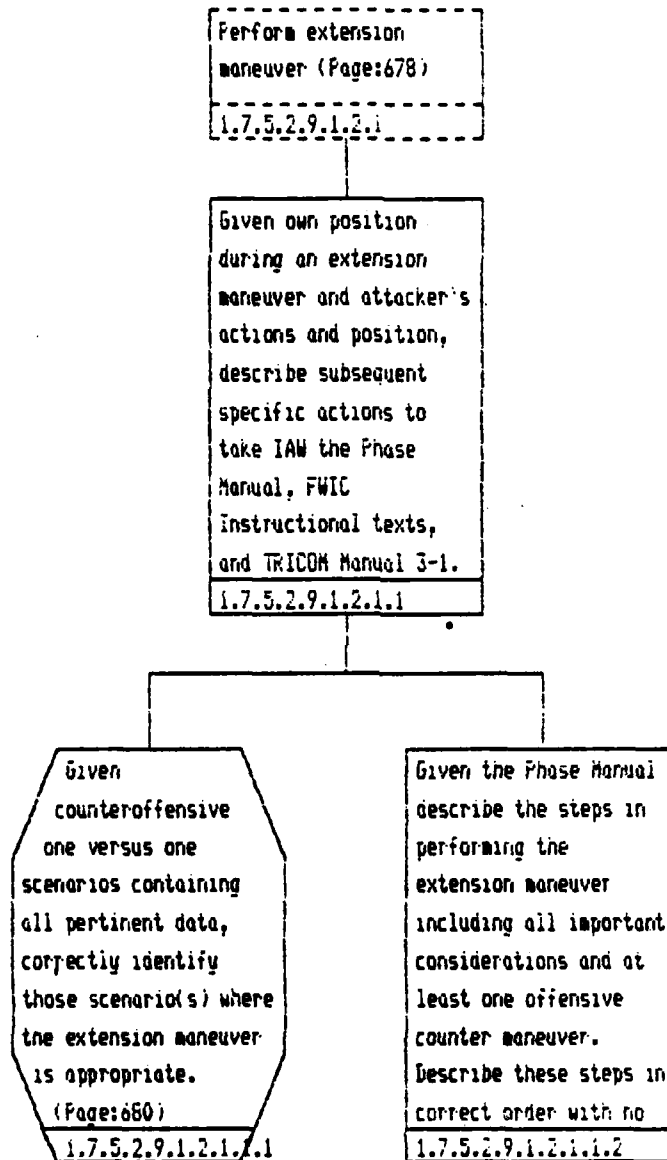
Continued from page: 676



Perform  
computeroffensive BFM  
(Page:676)  
1.7.5.2.9.1.2

Perform extension  
maneuver  
1.7.5.2.9.1.2.1

Given own  
position during  
an extension  
maneuver and attacker's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the Phase  
Manual, FWIC  
Instructional  
1.7.5.2.9.1.2.1.1



Given own position  
during an extension  
maneuver and attacker's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the Phase  
Manual, FWIC  
Instructional texts,  
and TRICOM Manual 3-1.  
1.7.5.2.9.1.2.1.1

Given counteroffensive  
one versus one  
scenarios containing  
all pertinent data, .  
correctly identify  
those scenario(s) where  
the extension maneuver  
is appropriate.  
1.7.5.2.9.1.2.1.1.1

Correctly state the  
purpose of the  
extension maneuver IAW  
the phase Manual.  
1.7.5.2.9.1.2.1.1.1.1

Perform  
computeroffensive 3Fh  
(Page:676)  
1.7.5.2.9.1.2

Perform defensive turn  
1.7.5.2.9.1.2.2

Given own  
position during a  
defensive turn  
maneuver and attacker's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the Phase  
Manual, FWIC  
Instructional  
1.7.5.2.9.1.2.2.



Perform defensive turn  
(Page:681)  
1.7.5.2.9.1.2.2

Given own position  
during a defensive turn  
maneuver and attacker's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the Phase  
Manual, FWIC  
Instructional Texts,  
and TRICOM Manual 3-1.  
1.7.5.2.9.1.2.2.i

Given  
counteroffensive  
one versus one  
scenarios containing  
all pertinent data,  
correctly identify  
those scenario(s) where  
the defensive turn  
maneuver is  
appropriate.  
1.7.5.2.9.1.2.2.i.1

IAW the Phase Manual,  
describe the steps in  
performing the  
defensive turn maneuver  
including all important  
considerations and at  
least one offensive  
counter-maneuver.  
Describe these steps in  
correct order with no  
1.7.5.2.9.1.2.2.i.2

Given own position during a defensive turn maneuver and attacker's actions and position, describe subsequent specific actions to take IAW the Phase Manual, FWIC Instructional Texts, and TRICOM Manual 3-1.

1.7.5.2.9.1.2.2.1

Given counteroffensive one versus one scenarios containing all pertinent data, . correctly identify those scenario(s) where the defensive turn maneuver is appropriate.

1.7.5.2.9.1.2.2.1.1

Correctly state the purpose of the defensive turn maneuver IAW the Phase Manual.

1.7.5.2.9.1.2.2.1.1.1

Perform  
counteroffensive BFn  
(Page:676)  
1.7.5.2.9.1.2

Perform reversal  
1.7.5.2.9.1.2.3

Given own  
position during a  
reversal maneuver  
and attacker's actions  
and position, describe  
subsequent specific  
actions to take IAW the  
Phase Manual, FWIC  
Instructional Texts,  
and TRICOM Manual  
1.7.5.2.9.1.2.3.

Perform reversal  
(Page:684)

1.7.5.2.9.1.2.3

Given own position  
during a reversal  
maneuver and attacker's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the Phase  
Manual, FWIC  
Instructional Texts,  
and TRICOM Manual 3-1.

1.7.5.2.9.1.2.3.1

Given  
counteroffensive  
one versus one  
scenarios containing  
all pertinent data,  
correctly identify  
those scenario(s) where  
the reversal maneuver  
is appropriate.

(Page:686)

1.7.5.2.9.1.2.3.1.1

IAW the Phase Manual,  
describe the steps in  
performing the reversal  
maneuver including all  
important  
considerations and at  
least one offensive  
counter maneuver.

Describe these steps in  
correct order with no

1.7.5.2.9.1.2.3.1.2

Given own position  
during a reversal  
maneuver and attacker's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the Phase  
Manual, FWIC  
Instructional Texts,  
and TRICOM Manual 3-1.  
1.7.5.2.9.1.2.3.1

Given counteroffensive  
one versus one  
scenarios containing  
all pertinent data,  
correctly identify  
those scenario(s) where  
the reversal maneuver  
is appropriate.  
1.7.5.2.9.1.2.3.1.1

Correctly state the  
purpose of the reversal  
maneuver IAW the Phase  
Manual.  
1.7.5.2.9.1.2.3.1.1.1

Perform  
counteroffensive BFM  
(Page:676)  
1.7.5.2.9.1.2

Perform missile break  
turn  
1.7.5.2.9.1.2.4

Given own  
position during a  
missile break  
maneuver and attacker's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the Phase  
Manual, FWIC  
Instructional  
1.7.5.2.9.1.2.4.

Perform missile break  
turn (Page:687)

1.7.5.2.9.1.2.4

Given own position  
during a missile break  
maneuver and attacker's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the Phase  
Manual, FWIC  
Instructional Texts,  
and TRICOM Manual 3-1.

1.7.5.2.9.1.2.4.1

Given  
counteroffensive  
one versus one  
scenarios containing  
all pertinent data,  
correctly identify  
those scenario(s) where  
the missile break  
maneuver is  
appropriate.

1.7.5.2.9.1.2.4.1.1

IAW the Phase Manual  
describe the steps in  
performing the missile  
break maneuver  
including all important  
considerations and at  
least one offensive  
counter-maneuver.  
Describe these steps in  
correct order with no

1.7.5.2.9.1.2.4.1.2

Given own position  
during a missile break  
maneuver and attacker's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the Phase  
Manual, FWIC  
Instructional Texts,  
and TRICOM Manual 3-1.  
1.7.5.2.9.1.2.4.1

Given counteroffensive  
one versus one  
scenarios containing  
all pertinent data,  
correctly identify  
those scenarios, where  
the missile break  
maneuver is appropriate.

1.7.5.2.9.1.2.4.1.1

Correctly state the  
purpose of the missile  
break maneuver IAW the  
Phase Manual.

1.7.5.2.9.1.2.4.1.1.1



Perform  
counteroffensive BFn  
(Page:676)  
1.7.5.2.9.1.2

Perform gun break turn  
1.7.5.2.9.1.2.5

Given own  
position during a  
gun break maneuver,  
and attacker's actions  
and position, describe  
subsequent specific  
actions to take IAW the  
Phase Manual, FWIC  
Instructional Texts,  
and TRICOM Manual  
1.7.5.2.9.1.2.5.1

Perform gun break turn  
(Page:690)

1.7.5.2.9.1.2.5

Given own position  
during a gun break  
maneuver and attacker's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the Phase  
Manual, FWIC  
Instructional Texts,  
and TRICOM Manual 3-1.

1.7.5.2.9.1.2.5.1

Given  
counteroffensive  
one versus one  
scenarios containing  
all pertinent data,  
correctly identify  
those scenario(s) where  
the gun break maneuver  
is appropriate.

(Page:692)

1.7.5.2.9.1.2.5.1.1

IAW the Phase Manual,  
describe the steps in  
performing the gun  
break maneuver  
including all important  
considerations and at  
least one  
counter-maneuver.  
Describe these steps in  
correct order with no

1.7.5.2.9.1.2.5.1.2

Given own position during a gun break maneuver and attacker's actions and position, describe subsequent specific actions to take IAW the Phase Manual, FWIC Instructional Texts, and TRICOM Manual 3-1.

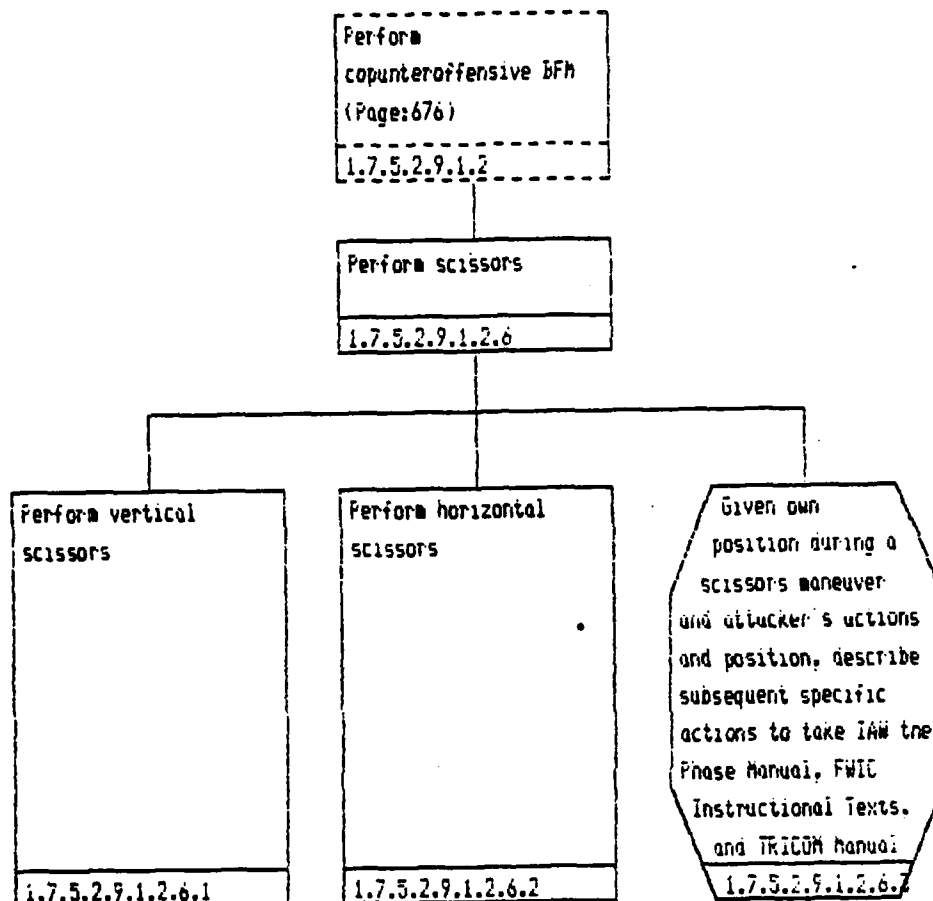
1.7.5.2.9.1.2.5.1

Given counteroffensive one versus one scenarios containing all pertinent data, correctly identify those scenario(s) where the gun break maneuver is appropriate.

1.7.5.2.9.1.2.5.1.1

Correctly state the purpose of the gun break maneuver IAW the Phase Manual.

1.7.5.2.9.1.2.5.1.1.1



Perform scissors  
(Page:693)  
1.7.5.2.9.1.2.6

Given own position  
during a scissors  
maneuver and attacker's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the Phase  
Manual, FWIC  
Instructional Texts,  
and TRICOM Manual 3-1.  
1.7.5.2.9.1.2.6.3

Given  
counteroffensive  
one versus one  
scenarios containing  
all pertinent data.  
correctly identify  
those scenarios) where  
the scissors maneuver  
is appropriate.  
(Page:695)  
1.7.5.2.9.1.2.6.3.1

IAW the Phase Manual,  
describe the steps in  
performing the scissors  
maneuver including the  
important  
considerations and at  
least one offensive  
counter maneuver.  
Describe these steps in  
correct order with no  
1.7.5.2.9.1.2.6.3.2

Given own position during a scissors maneuver and attacker's actions and position, describe subsequent specific actions to take IAW the Phase Manual, FWIC Instructional Texts, and TRICOM Manual 3-1.  
1.7.5.2.9.1.2.6.3

Given counteroffensive one versus one scenarios containing all pertinent data, • correctly identify those scenario(s) where the scissors maneuver is appropriate.

1.7.5.2.9.1.2.6.3.1

Correctly state the purpose of the scissors maneuver IAW the Phase Manual.

1.7.5.2.9.1.2.6.3.1.1

Perform  
counteroffensive BFH  
(Page:676)  
1.7.5.2.9.1.2

Perform high g roll  
over top  
1.7.5.2.9.1.2.7

Given own  
position during a  
high g roll  
over-the-top maneuver  
and attacker's actions  
and position, describe  
subsequent specific  
actions to take IAW the  
Phase Manual, FWIC  
Instructional  
1.7.5.2.9.1.2.7.

Perform high g roll  
over top (Page:696)  
1.7.5.2.9.1.2.7

Given own position  
during a high g roll  
over-the-top maneuver  
and attacker's actions  
and position, describe  
subsequent specific  
actions to take IAW the  
Phase Manual, FWIC  
Instructional Texts,  
and TRICOM Manual 3-1.  
1.7.5.2.9.1.2.7.1

Given  
counteroffensive  
one versus one  
scenarios containing  
all pertinent data,  
correctly identify  
those scenario(s) where  
the high g roll  
over-the-top maneuver  
is appropriate.  
1.7.5.2.9.1.2.7.1

IAW the Phase manual  
describe the steps in  
performing the high g  
roll over-the-top  
maneuver including all  
important  
considerations and at  
least one offensive  
counter-maneuver.  
Describe these steps in  
1.7.5.2.9.1.2.7.1.2



Given own position during a high g roll over-the-top maneuver and attacker's actions and position, describe subsequent specific actions to take IAW the Phase Manual, FWIC Instructional Texts, and TRICOM Manual 3-1.

1.7.5.2.9.1.2.7.1

Given counteroffensive one versus one scenarios containing all pertinent data, • correctly identify those scenario(s) where the high g roll over-the-top maneuver is appropriate.

1.7.5.2.9.1.2.7.1.1

Correctly state the purpose of the high g roll over-the-top maneuver IAW the Phase Manual.

1.7.5.2.9.1.2.7.1.1.1

Perform  
counteroffensive BFH  
(Page:676)  
1.7.5.2.9.1.2

Perform high g roll  
underneath  
1.7.5.2.9.1.2.8

Given own  
position during a  
high g roll  
underneath maneuver and  
attacker's actions and  
position, describe  
subsequent specific  
actions to take IAW the  
Phase Manual, FWIC  
Instructional  
1.7.5.2.9.1.2.8.1

Perform high g roll  
underneath (Page:699)

1.7.5.2.9.1.2.6

Given own position  
during a high g roll  
underneath maneuver and  
attacker's actions and  
position, describe  
subsequent specific  
actions to take IAW the  
Phase Manual, FWIC  
Instructional Texts,  
and TRICOM Manual 3-1.

1.7.5.2.9.1.2.8.1

Given  
counteroffensive  
one versus one  
scenarios containing  
all pertinent data,  
correctly identify  
those scenario(s) where  
the high g roll  
underneath maneuver  
is appropriate.

1.7.5.2.9.1.2.8.1.1

IAW the Phase Manual,  
describe the steps in  
performing the high g  
roll underneath  
maneuver including all  
the important  
considerations and at  
least one offensive  
counter-maneuver.

Describe these steps in

1.7.5.2.9.1.2.8.1.2

Given own position during a high g roll underneath maneuver and attacker's actions and position, describe subsequent specific actions to take IAW the Phase Manual, FWIC Instructional Texts, and TRICOM Manual 3-1.

1.7.5.2.9.1.2.8.1

Given counteroffensive one versus one scenarios containing all pertinent data, correctly identify those scenario(s) where the high g roll underneath maneuver is appropriate.

1.7.5.2.9.1.2.8.1.1

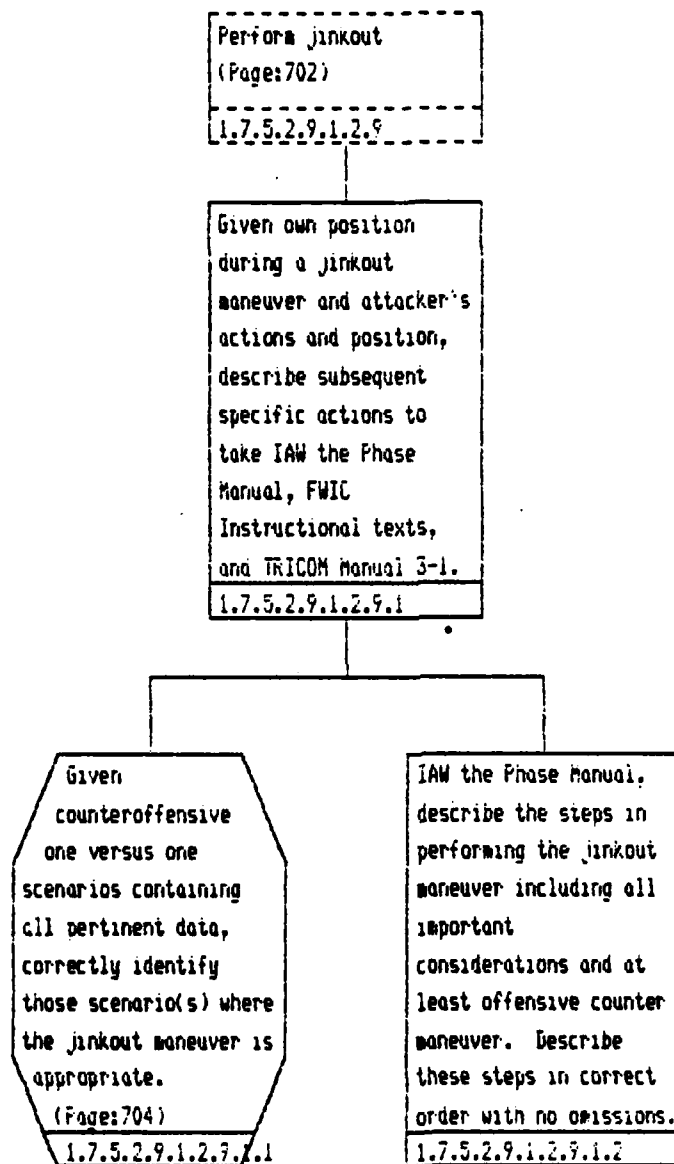
Correctly state the purpose of the high g roll underneath maneuver IAW the Phase Manual.

1.7.5.2.9.1.2.8.1.1.1

Perform  
counteroffensive BFH  
(Page: 676)  
1.7.5.2.9.1.2

Perform jinkout  
1.7.5.2.9.1.2.9

Given own  
position during a  
jinkout maneuver  
and attacker's actions  
and position, describe  
subsequent specific  
actions to take IAW the  
Phase Manual, FWIC  
Instructional texts,  
and TRICOM Manual  
1.7.5.2.9.1.2.9.



Given own position during a jinkout maneuver and attacker's actions and position, describe subsequent specific actions to take IAW the Phase Manual, FWIC Instructional texts, and TRICOM Manual 3-1.

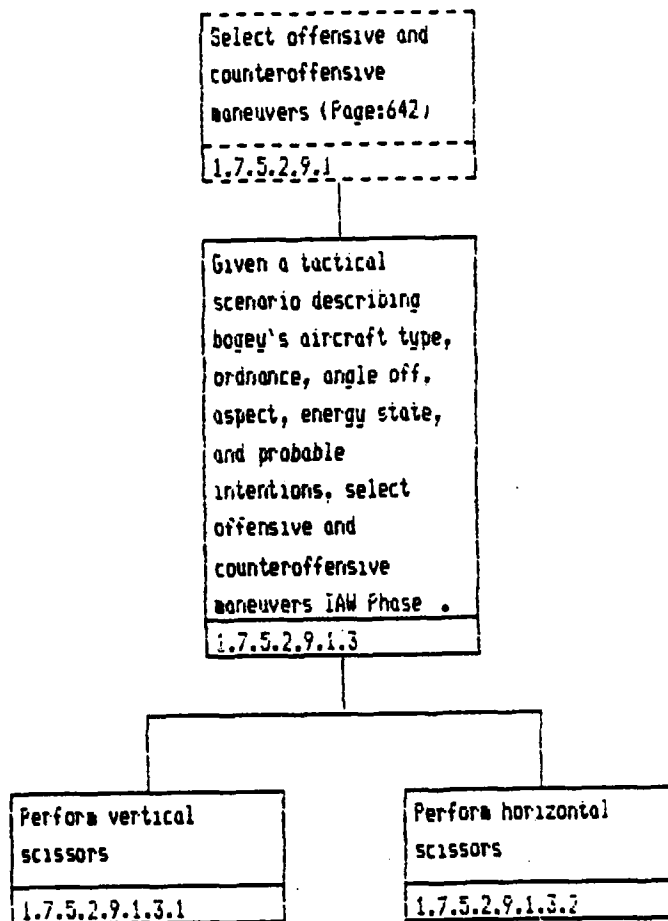
1.7.5.2.9.1.2.9.1

Given counteroffensive one versus one scenarios containing all pertinent data, • correctly identify those scenario(s) where the jinkout maneuver is appropriate.

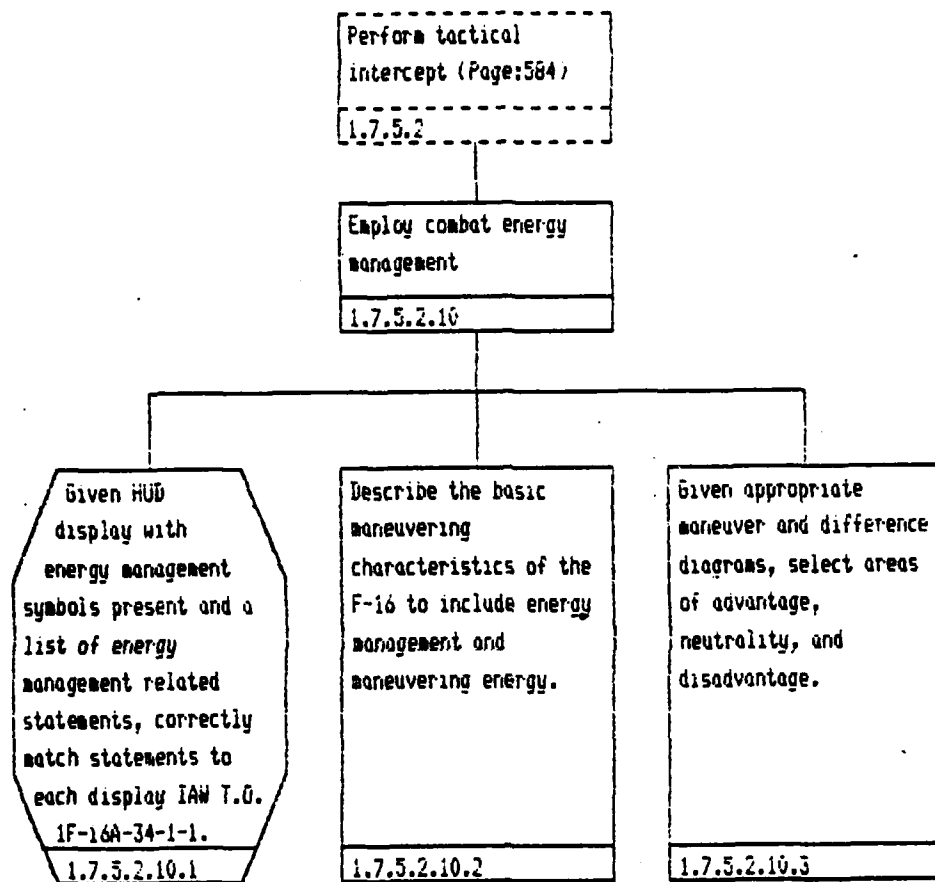
1.7.5.2.9.1.2.9.1.1

Correctly state the purpose of the jinkout maneuver IAW the Phase Manual.

1.7.5.2.9.1.2.9.1.1.1







Employ combat energy  
management (Page:706)

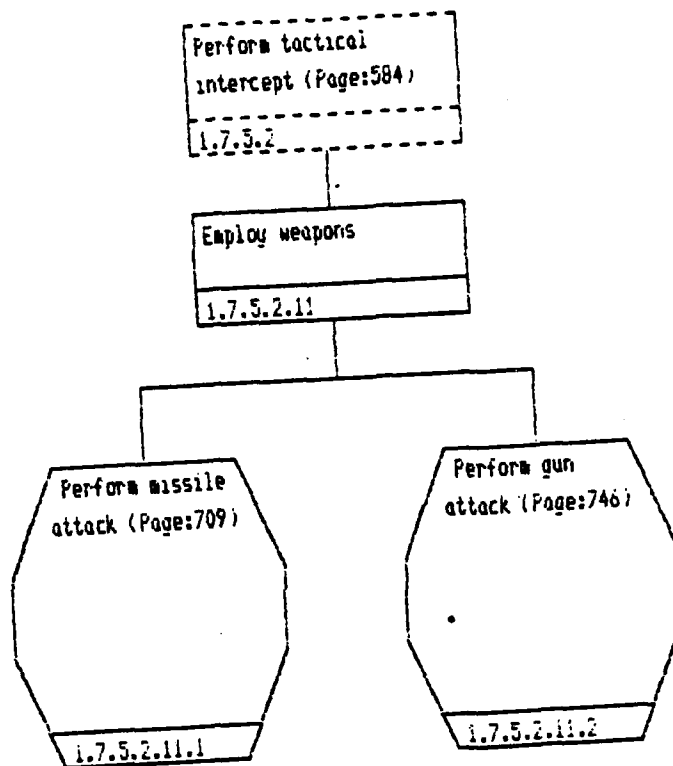
1.7.5.2.10

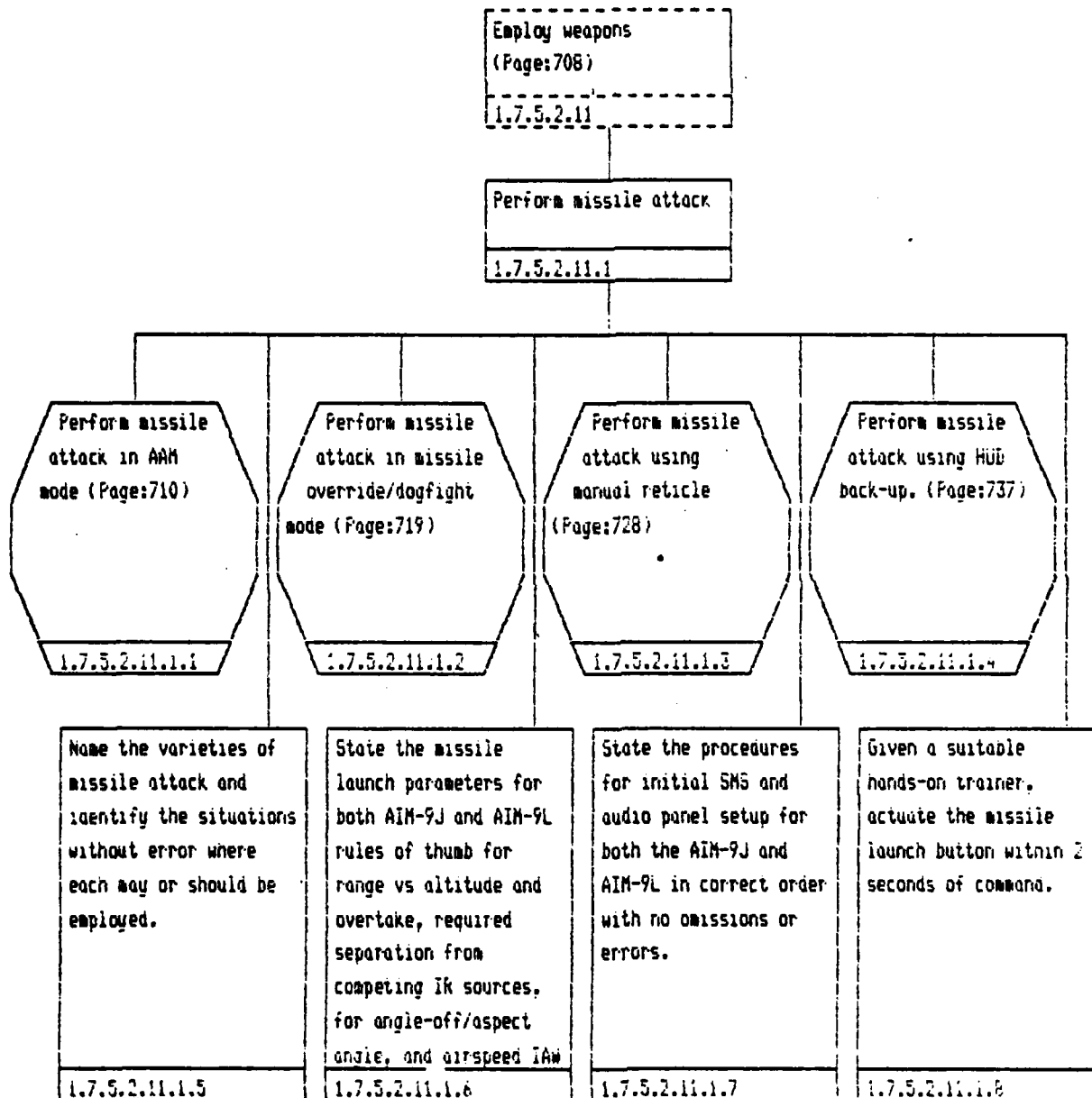
Given HUD display with  
energy management  
symbols present and a  
list of energy  
management related  
statements, correctly  
match statements to  
each display IAW T.O.  
IF-16A-34-1-1.

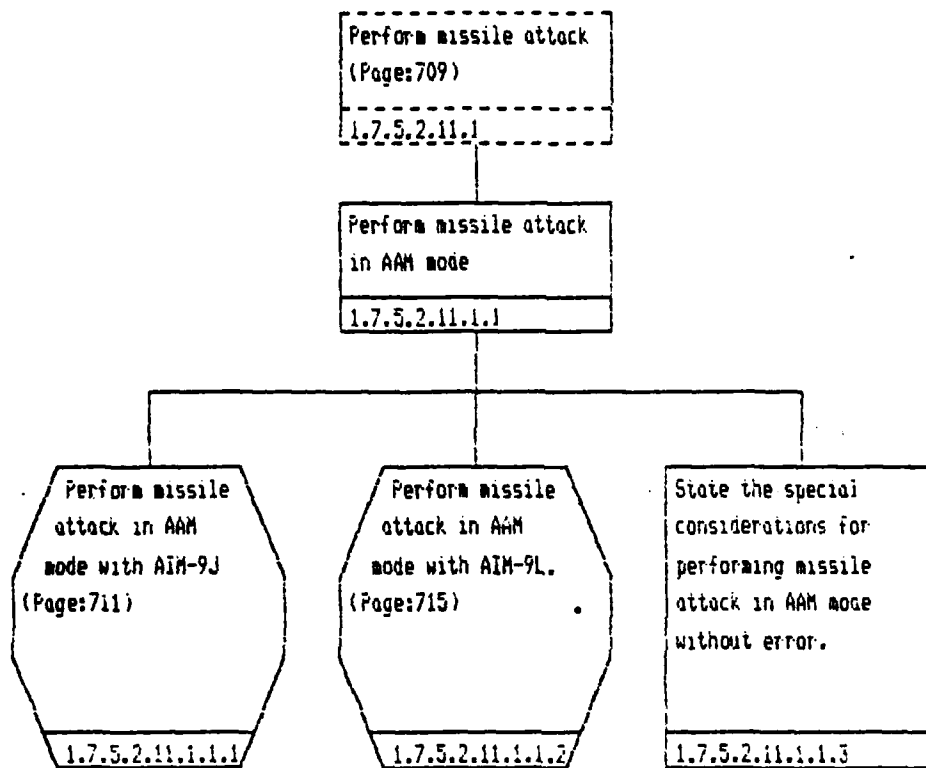
1.7.5.2.10.1

Define specific energy  
(Es) and specific power  
(Ps) IAW Fighter  
Weapons School texts.  
(E)

1.7.5.2.10.1.1







Perform missile attack  
in AAM mode (Page:710)

1.7.5.2.11.1.1

Perform missile attack  
in AAM mode with AIM-9J

1.7.5.2.11.1.1.1

Given cues,  
describe the next  
specific action to  
take in performing  
missile attack in AAM  
mode with AIM-9J IAW  
current tactical  
doctrine and  
regulations.

(Page:712)

1.7.5.2.11.1.1.1.1

Perform missile attack  
in AAM mode with AIM-9J  
(Page:711)  
1.7.5.2.11.1.1.1

Given cues, describe  
the next specific  
action to take in  
performing missile  
attack in AAM mode with  
AIM-9J IAW current  
tactical doctrine and  
regulations.  
1.7.5.2.11.1.1.1.1

Describe the  
steps in the  
procedure for  
missile attack in AAM  
mode with AIM-9J in  
correct order with no  
omissions. (Page:713)  
1.7.5.2.11.1.1.1.1.1

Given cues, describe the next specific action to take in performing missile attack in AAM mode with AIM-9J IAW current tactical doctrine and regulations. (Page:712)

1.7.5.2.11.1.1.1.1

Describe the steps in the procedure for missile attack in AAM mode with AIM-9J in correct order with no omissions.

1.7.5.2.11.1.1.1.1

State the switchology procedure for selecting, arming, and launching the AIM-9J missile in the AAM mode.

1.7.5.2.11.1.1.1.1.1

Given a HUD presentation and an audio indication of an armed AIM-9J missile in the AAM mode, state whether or not missile launch parameters have been attained. (Page:714)

1.7.5.2.11.1.1.1.1.2

State the special considerations for employing the AIM-9J missile in the AAM mode IAW the Avionics Manual and T.O. 1F-16A-34-1-1.

1.7.5.2.11.1.1.1.1.3



Describe the steps in the procedure for missile attack in AAM mode with AIM-9J in correct order with no omissions. (Page:713)

1.7.5.2.11.1.1.1.1.1

Given a HUD presentation and an audio indication of an armed AIM-9J missile in the AAM mode, state whether or not missile launch parameters have been attained.

1.7.5.2.11.1.1.1.1.2

Given a HUD presentation, state whether the AAM mode is selected and whether or not the AIM-9J missile is armed.

1.7.5.2.11.1.1.1.1.2.1

Given a HUD presentation of the AIM-9J missile in the AAM mode, correctly identify all missile associated symbology and state the values represented IAW the Avionics Manual and T.O. 1F-16A-34-1-1.

1.7.5.2.11.1.1.1.1.2.2

Perform missile attack  
in AAM mode (Page:710)  
1.7.5.2.11.1.1

Perform missile attack  
in AAM mode with AIM-9L.  
1.7.5.2.11.1.1.2

Given cues,  
describe the next  
specific action to  
take in performing .  
missile attack in AAM  
mode with AIM-9L IAW  
tech order procedures  
and current tactical  
doctrine and  
regulations.  
1.7.5.2.11.1.1.2.1

Perform missile attack  
in AAM mode with  
AIM-9L. (Page:715)  
1.7.5.2.11.1.1.2

Given cues, describe  
the next specific  
action to take in  
performing missile  
attack in AAM mode with  
AIM-9L IAW tech order  
procedures and current  
tactical doctrine and  
regulations.  
1.7.5.2.11.1.1.2.1

Describe the  
steps in the  
procedure for  
missile attack in AAM  
mode with AIM-9L in  
correct order with no  
omissions. (Page:717)  
1.7.5.2.11.1.1.2.1.1

Given cues, describe the next specific action to take in performing missile attack in AAM mode with AIM-9L IAW tech order procedures and current tactical doctrine and regulations. (Page:716)

1.7.5.2.11.1.1.2.1

Describe the steps in the procedure for missile attack in AAM mode with AIM-9L in correct order with no omissions.

1.7.5.2.11.1.1.2.1.1

State the switchology procedure for selecting, arming, and launching the AIM-9J missile in the AAM mode.

1.7.5.2.11.1.1.2.1.1.1

Given a HUD presentation and an audio indication of an armed AIM-9L missile in the AAM mode, state whether or not missile launch parameters have been attained. (Page:718)

1.7.5.2.11.1.1.2.1.1.2

State the special considerations for employing the AIM-9L missile in the AAM mode IAW the Avionics Manual and T.O. 1F-16A-34-1-1.

1.7.5.2.11.1.1.2.1.1.3

Describe the steps in the procedure for missile attack in AAM mode with AIM-9L in correct order with no omissions. (Page:717)

1.7.5.2.11.1.1.2.1.1

Given a HUD presentation and an audio indication of an armed AIM-9L missile in the AAM mode, state whether or not missile launch parameters have been attained.

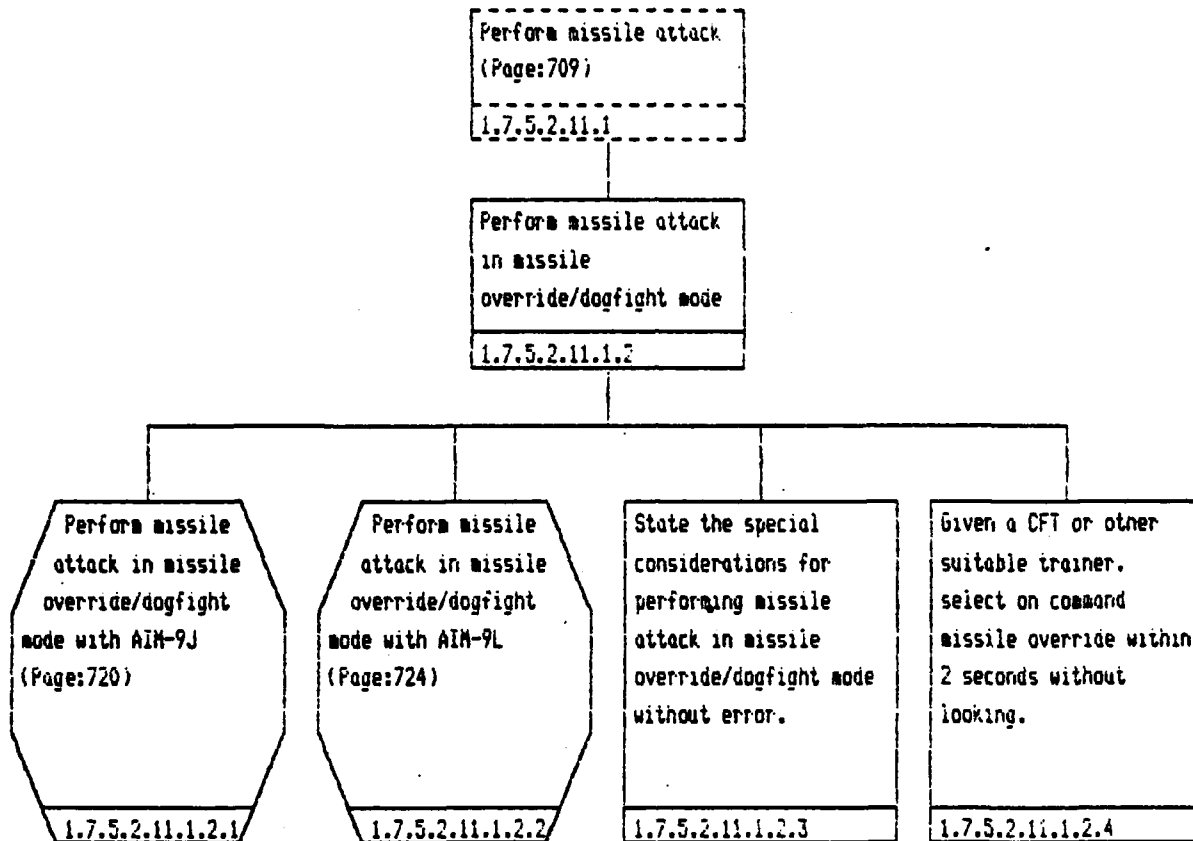
1.7.5.2.11.1.1.2.1.2

Given a HUD presentation, state whether the AAM mode is selected and whether or not the AIM-9L missile is armed.

1.7.5.2.11.1.1.2.1.2.1

Given a HUD presentation of the AIM-9L missile in the AAM mode, correctly identify all missile associated symbology and state the values represented IAW the Avionics Manual and T.O. 1F-16A-34-1-1.

1.7.5.2.11.1.1.2.1.2.2



Perform missile attack  
in missile  
override/dogfight mode  
(Page:719)

1.7.5.2.11.1.2

Perform missile attack  
in missile  
override/dogfight mode  
with AIM-9J

1.7.5.2.11.1.2.1

Given cues,  
describe the next  
specific action to  
take in performing  
missile attack in  
missile  
override/dogfight mode  
with AIM-9J IAW current  
tactical doctrine,  
regulations, and

1.7.5.2.11.1.2.1.1

Perform missile attack  
in missile  
override/dogfight mode  
with AIM-9J (Page:720)

1.7.5.2.11.1.2.i

Given cues, describe  
the next specific  
action to take in  
performing missile  
attack in missile  
override/dogfight mode  
with AIM-9J IAW current  
tactical doctrine,  
regulations, and tech  
order procedures.

1.7.5.2.11.1.2.1.1

Describe the  
steps in the  
procedure for  
missile attack in  
missile  
override/dogfight mode  
with AIM-9J in correct  
order with no  
omissions. (Page:722)

1.7.5.2.11.1.2.1.1.1



Given cues, describe the next specific action to take in performing missile attack in missile override/dogfight mode with AIM-9J IAW current tactical doctrine, regulations, and tech order procedures.

1.7.5.2.11.1.2.1.1

Describe the steps in the procedure for missile attack in missile override/dogfight mode with AIM-9J in correct order with no omissions.

1.7.5.2.11.1.2.1.1.1

State the switchology procedure for selecting, arming, and launching the AIM-9J missile in the missile override/dogfight mode.

1.7.5.2.11.1.2.1.1.1.1

State a HUD presentation and an audio indication of an armed AIM-9J missile in the missile override/dogfight mode, state whether or not missile launch parameters have been attained.

1.7.5.2.11.1.2.1.1.1.2

State the special considerations for employing the AIM-9J missile in the missile override/dogfight mode IAW the Avionics Manual and T.O. 1F-16A-34-1-1.

1.7.5.2.11.1.2.1.1.1.3

Describe the steps in the procedure for missile attack in missile override/dogfight mode with AIM-9J in correct order with no omissions. (Page:722)

1.7.5.2.11.1.2.1.1.1

State a HUD presentation and an audio indication of an armed AIM-9J missile in the missile override/dogfight mode, state whether or not missile launch parameters have been attained.

1.7.5.2.11.1.2.1.1.2

Given a HUD presentation, state whether the missile override/dogfight mode is selected and whether or not the AIM-9J missile is armed.

1.7.5.2.11.1.2.1.1.2.1

Given a HUD presentation of the AIM-9J missile on the missile override/dogfight mode, correctly identify the various components and state the values represented IAW the Avionics Manual and

1.7.5.2.11.1.2.1.1.2.2

Perform missile attack  
in missile  
override/dogfight mode  
(Page:719)

1.7.5.2.11.1.2

Perform missile attack  
in missile  
override/dogfight mode  
with AIM-9L

1.7.5.2.11.1.2.2

Given cues,  
describe the next  
specific action to  
take in performing  
missile attack in  
missile  
override/dogfight mode  
with AIM-9L IAW current  
tactical doctrine,  
regulations, and

1.7.5.2.11.1.2.2.1

perform missile attack  
in missile  
override/dogfight mode  
with AIM-9L (Page:724)

1.7.5.2.11.1.2.2

Given cues, describe  
the next specific  
action to take in  
performing missile  
attack in missile  
override/dogfight mode  
with AIM-9L IAW current  
tactical doctrine,  
regulations, and tech  
order procedures.

1.7.5.2.11.1.2.2.1

Describe the  
steps in the  
procedure for  
missile attack in  
missile  
override/dogfight mode  
with AIM-9L in correct  
order with no  
omissions. (Page:726)

1.7.5.2.11.1.2.2.1.1

Given cues, describe the next specific action to take in performing missile attack in missile override/dogfight mode with AIM-9L IAW current tactical doctrine, regulations, and tech order procedures.

1.7.5.2.11.1.2.7.1

Describe the steps in the procedure for missile attack in missile override/dogfight mode with AIM-9L in correct order with no omissions.

1.7.5.2.11.1.2.2.1.1

State the switchology procedure for selecting, arming, and launching the AIM-9L missile in the missile override/dogfight mode.

1.7.5.2.11.1.2.2.1.1.1

Given a HUD presentation and an audio indication of an armed AIM-9L missile in the missile override/dogfight mode, state whether or not missile launch parameters have been attained.

1.7.5.2.11.1.2.2.1.1.2

State the special considerations for employing the AIM-9L missile in the missile override/dogfight mode IAW the Avionics Manual and T.O. 1F-16A-34-1-1.

1.7.5.2.11.1.2.2.1.1.3

Describe the steps in the procedure for missile attack in missile override/dogfight mode with AIM-9L in correct order with no omissions. (Page:726)

1.7.5.2.11.1.2.2.1.1

Given a HUD presentation and an audio indication of an armed AIM-9L missile in the missile override/dogfight mode, state whether or not missile launch parameters have been attained.

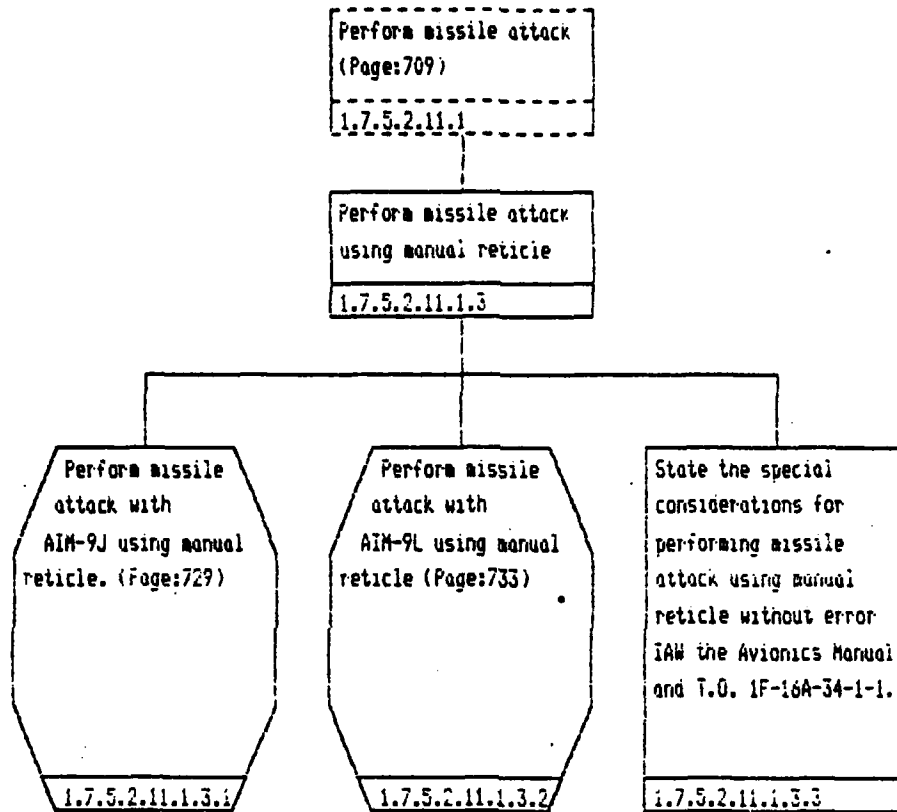
1.7.5.2.11.1.2.2.1.1.2

Given a HUD presentation, state whether the missile override/dogfight mode is selected and whether or not the AIM-9L missile is armed.

1.7.5.2.11.1.2.2.1.1.2.1

Given a HUD presentation of the AIM-9L missile in the missile override/dogfight mode, correctly identify all missile and gun associated symbology and state the values represented IAW the

1.7.5.2.11.1.2.2.1.1.2.2



Perform missile attack  
using manual reticle  
(Page:728)

1.7.5.2.11.1.3

Perform missile attack  
with AIM-9J using  
manual reticle.

1.7.5.2.11.1.3.1

Given cues,  
describe the next  
specific action to  
take in performing  
missile attack with  
AIM-9J using manual  
reticle IAW Phase  
Manual and T.O.

1F-16A-34-1-1.

(Page:730)

1.7.5.2.11.1.3.1.1



Perform missile attack  
with AIM-9J using  
manual reticle.  
(Page:729)

1.7.5.2.11.1.3.1

Given cues, describe  
the next specific  
action to take in  
performing missile  
attack with AIM-9J  
using manual reticle  
IAW Phase Manual and  
T.O. 1F-16A-34-1-1.

1.7.5.2.11.1.3.1.1

Describe the  
steps in the  
procedure for  
missile attack with  
AIM-9J using manual  
reticle in correct  
order with no  
omissions. (Page:731)

1.7.5.2.11.1.3.1.1.1

Given cues, describe the next specific action to take in performing missile attack with AIM-9J using manual reticle IAW Phase Manual and T.O. 1F-16A-34-1-1. (Page:730)

1.7.5.2.11.1.3.1.1

Describe the steps in the procedure for missile attack with AIM-9J using manual . reticle in correct order with no omissions.

1.7.5.2.11.1.3.1.1

State the switchology procedure for selecting, arming, and launching the AIM-9J missile in the missile mode using the manual reticle.

1.7.5.2.11.1.3.1.1.1

Given a HUD presentation and an audio indication of an armed AIM-9J missile in the missile mode and a manual range wing span setting, state whether or not missile launch parameters have

1.7.5.2.11.1.3.1.1.2

State the special considerations for employing the AIM-9J missile in the manual reticle mode IAW the Avionics Manual and T.O. 1F-16A-34-1-1.

1.7.5.2.11.1.3.1.1.3

Describe the steps in the procedure for missile attack with AIM-9J using manual reticle in correct order with no omissions. (Page:731)

1.7.5.2.11.1.3.1.1.1

Given a HUD presentation and an audio indication of an armed AIM-9J missile in the missile mode and a manual range wing span setting, state whether or not missile launch parameters have been attained using manual

1.7.5.2.11.1.3.1.1.2

Given a HUD presentation, state whether the manual reticle mode is selected and whether or not the AIM-9J missile is armed.

1.7.5.2.11.1.3.1.1.2.1

Given a HUD presentation of the AIM-9J in manual reticle mode, correctly identify the various components and state the values represented IAW the Avionics Manual and T.O. 1F-16A-34-1-i.

1.7.5.2.11.1.3.1.1.2.2

Perform missile attack  
using manual reticle  
(Page:728)  
1.7.5.2.11.1.3

Perform missile attack  
with AIM-9L using  
manual reticle  
1.7.5.2.11.1.3.2

Given cues,  
describe the next  
specific action to  
take in performing  
missile attack with  
AIM-9L using manual  
reticle IAW current  
doctrine and  
regulations.  
(Page:734)  
1.7.5.2.11.1.3.2.1

Perform missile attack  
with AIM-9L using  
manual reticle  
(Page:733)

1.7.5.2.11.1.3.2

Given cues, describe  
the next specific  
action to take in  
performing missile  
attack with AIM-9L  
using manual reticle  
IAW current doctrine  
and regulations.

1.7.5.2.11.1.3.2.1 .

Describe the  
steps in the  
procedure for  
missile attack with  
AIM-9L using manual  
reticle in correct  
order with no  
omissions. (Page:735)

1.7.5.2.11.1.3.2.1.1

Given cues, describe the next specific action to take in performing missile attack with AIM-9L using manual reticle IAW current doctrine and regulations.  
(Page:734)

1.7.5.2.11.1.3.2.1

Describe the steps in the procedure for missile attack with AIM-9L using manual reticle in correct order with no omissions.

1.7.5.2.11.1.3.2.1.1

State the switchology procedure for selecting, arming, and launching the AIM-9J missile using the manual reticle mode.

1.7.5.2.11.1.3.2.1.1.1

Given a HUD presentation and an audio indication of an armed AIM-9L missile in the manual reticle mode, state whether or not missile launch parameters have been attained.

(Page:736)

1.7.5.2.11.1.3.2.1.1.2

State the special considerations for employing the AIM-9L missile in the manual reticle mode IAW the Avionics Manual and T.O. 1F-16A-34-1-1.

1.7.5.2.11.1.3.2.1.1.3

Describe the steps in the procedure for missile attack with AIM-9L using manual reticle in correct order with no omissions. (Page:735)

1.7.5.2.11.1.3.2.1.1

Given a HUD presentation and an audio indication of an armed AIM-9L missile in the manual reticle mode, state whether or not missile launch parameters have been attained.

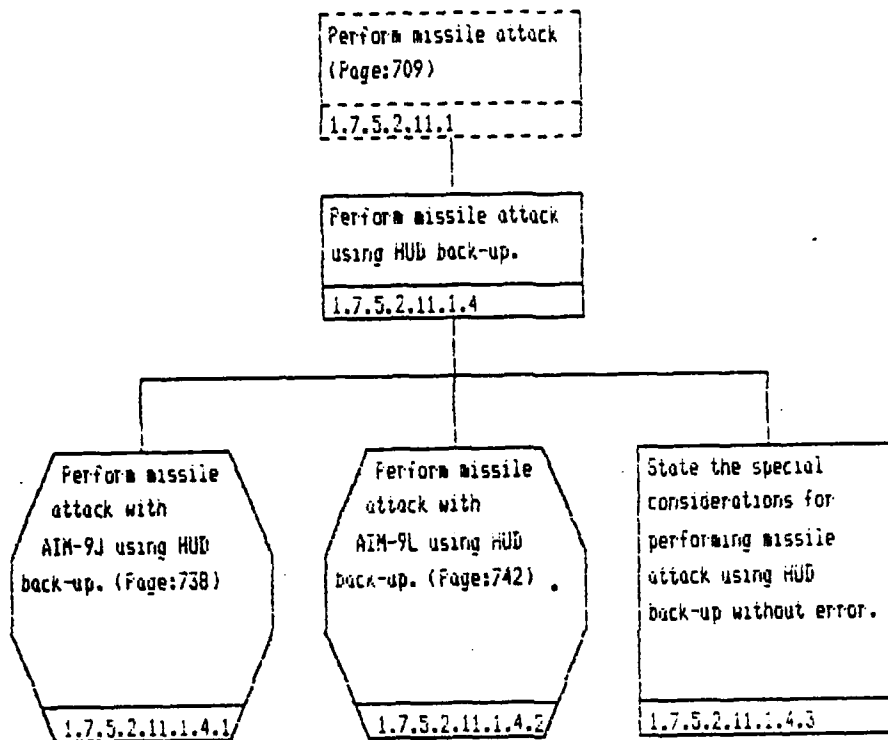
1.7.5.2.11.1.3.2.1.2

Given a HUD presentation, state whether the manual reticle mode is selected and whether or not the AIM-9L missile is armed.

1.7.5.2.11.1.3.2.1.2.1

Given a HUD presentation of the AIM-9L missile in the manual reticle mode, correctly identify missile associated symbology and state the values represented IAW the Avionics Manual and T.O. 1F-16A-34-1-1.

1.7.5.2.11.1.3.2.1.2.2





Perform missile attack  
using HUD back-up.

(Page:737)

1.7.5.2.11.1.4

Perform missile attack  
with AIM-9J using HUD  
back-up.

1.7.5.2.11.1.4.1

Given cues,  
describe the next •  
specific action to  
take in performing  
missile attack with  
AIM-9J using HUD  
back-up IAW current  
doctrine and  
regulations.

(Page:739)

1.7.5.2.11.1.4.1.1

Perform missile attack  
with AIM-9J using HUD  
back-up. (Page:738)

1.7.5.2.11.1.4.1

Given cues, describe  
the next specific  
action to take in  
performing missile  
attack with AIM-9J  
using HUD back-up IAW  
current doctrine and  
regulations.

1.7.5.2.11.1.4.1.1

Describe the  
steps in the  
procedure for  
missile attack with  
AIM-9J using HUD  
back-up in correct  
order with no  
omissions. (Page:740)

1.7.5.2.11.1.4.1.1.1

Given cues, describe the next specific action to take in performing missile attack with AIM-9J using HUD back-up IAW current doctrine and regulations. (Page:739)

1.7.5.2.11.1.4.1.1

Describe the steps in the procedure for missile attack with AIM-9J using HUD back-up in correct order with no omissions.

1.7.5.2.11.1.4.1.1.1

State the switchology procedure for selecting, arming, and launching the AIM-9J missile in the HUD back-up mode.

1.7.5.2.11.1.4.1.1.1.1

Given a HUD presentation and an audio indication of an armed AIM-9J missile in the HUD back-up, determine if it is armed or selected. (Page:741)

1.7.5.2.11.1.4.1.1.1.2

State the special considerations for employing the AIM-9J missile in the HUD back-up mode IAW the Avionics Manual and Dash 1.

1.7.5.2.11.1.4.1.1.1.3

Describe the steps in the procedure for missile attack with AIM-9J using HUD back-up in correct order with no omissions. (Page:740)

1.7.5.2.11.1.4.1.1.1

Given a HUD presentation and an audio indication of an armed AIM-9J missile in the HUD back-up, determine if it is armed or selected.

1.7.5.2.11.1.4.1.1.2

Given a HUD presentation, state whether the HUD back-up mode is selected and whether or not the AIM-9J missile is armed.

1.7.5.2.11.1.4.1.1.2.1

Given an AIM-9J missile in the HUD presentation, determine if the back-up missile is armed.

1.7.5.2.11.1.4.1.1.2.2

Perform missile attack  
using HUD back-up.  
(Page:737)  
1.7.5.2.11.1.4

Perform missile attack  
with AIM-9L using HUD  
back-up.  
1.7.5.2.11.1.4.2

Given cues,  
describe the next  
specific action to  
take in performing  
missile attack with  
AIM-9L using HUD  
back-up IAW current  
doctrine and  
regulations.  
(Page:743)  
1.7.5.2.11.1.4.2.1

Perform missile attack  
with AIM-9L using HUD  
back-up. (Page:742)

1.7.5.2.11.1.4.2

Given cues, describe  
the next specific  
action to take in  
performing missile  
attack with AIM-9L  
using HUD back-up IAW  
current doctrine and  
regulations.

1.7.5.2.11.1.4.2.1

Describe the  
steps in the  
procedure for  
missile attack with  
AIM-9L using HUD  
back-up in correct  
order with no  
omissions. (Page:744)

1.7.5.2.11.1.4.2.1.1

Given cues, describe the next specific action to take in performing missile attack with AIM-9L using HUD back-up IAW current doctrine and regulations. (Page:743)

1.7.5.2.11.1.4.2.1

Describe the steps in the procedure for missile attack with AIM-9L using HUD back-up in correct order with no omissions.

1.7.5.2.11.1.4.2.1.1

State the switchology procedure for selecting, arming, and launching the AIM-9L missile in the HUD back-up mode.

1.7.5.2.11.1.4.2.1.1.1

Given a HUD presentation and an audio indication of an armed AIM-9J missile in the HUD back-up mode, state whether or not missile launch parameters have been attained. (Page:745)

1.7.5.2.11.1.4.2.1.1.2

State the special considerations for employing the AIM-9L missile in the HUD back-up mode IAW the Avionics Manual and T.O. 1F-16A-34-1-1.

1.7.5.2.11.1.4.2.1.1.3

Describe the steps in the procedure for missile attack with AIM-9L using HUD back-up in correct order with no omissions. (Page:744)

1.7.5.2.11.1.4.2.1.1

Given a HUD presentation and an audio indication of an armed AIM-9J missile in the HUD back-up mode, state whether or not missile launch parameters have been attained.

1.7.5.2.11.1.4.2.1.1.2

Given a HUD presentation, state whether the HUD back-up mode is selected and whether or not the AIM-9L missile is armed.

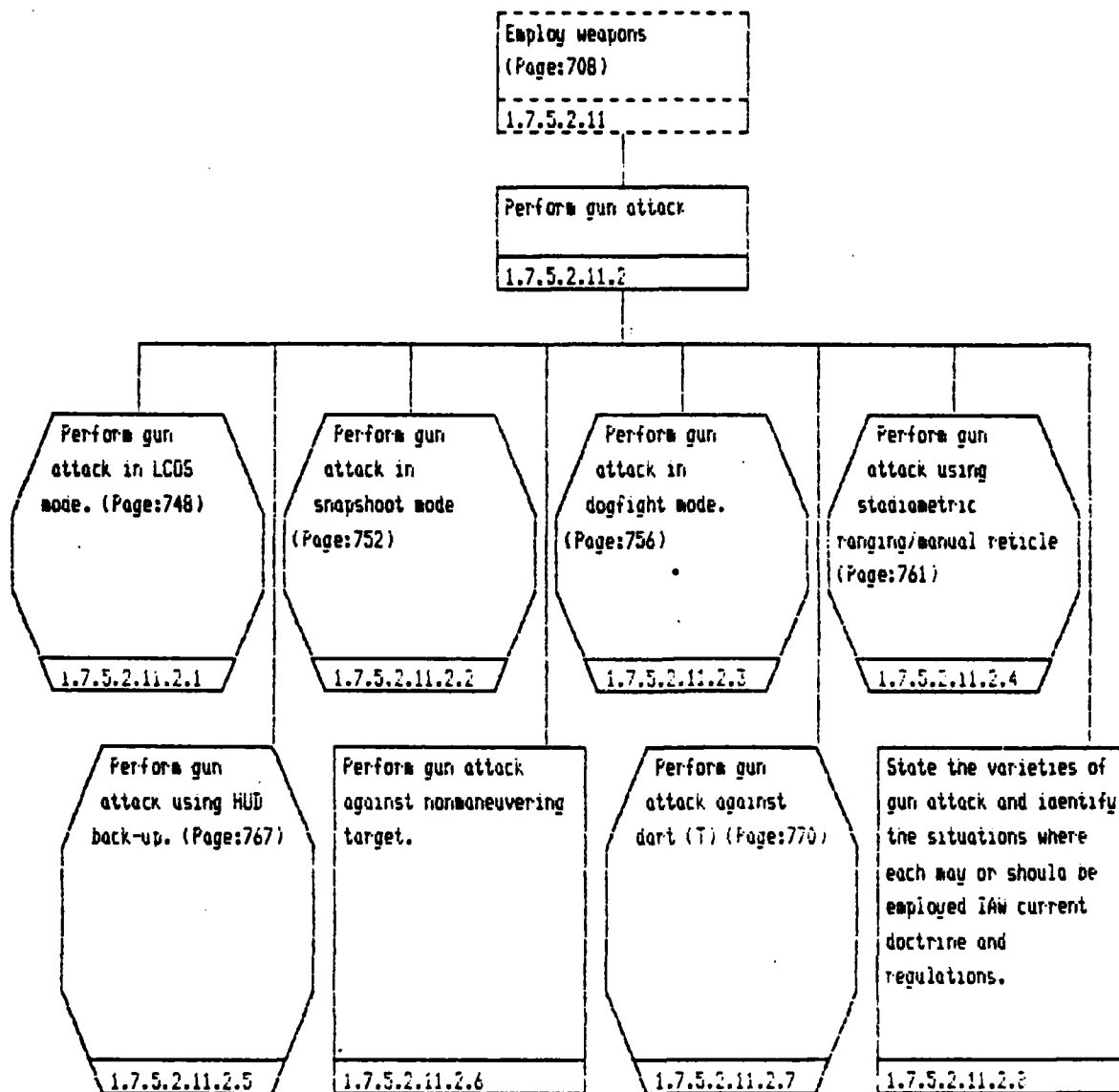
1.7.5.2.11.1.4.2.1.1.2.1

Given a HUD presentation of the AIM-9L missile in the HUD back-up mode, correctly identify missile associated symbology and state the values represented IAW the Avionics Manual and T.O. 1F-16A-34-1-1.

1.7.5.2.11.1.4.2.1.1.2.2



Continued on page: 747



Continued from page: 746

Page: 747

Employ weapons  
(Page: 708)

1.7.5.2.11

Perform gun attack

1.7.5.2.11.2

Given a suitable  
hands-on trainer, find  
and activate the  
trigger to the second  
detent without looking  
and within 2 seconds.  
(E)

1.7.5.2.11.2.9

Perform gun attack  
(Page:746)  
1.7.5.2.11.2

Perform gun attack in  
LCOS mode.  
1.7.5.2.11.2.1

Given cues,  
describe the next  
specific action to  
take in performing gun  
attack in LCOS mode IAW  
current doctrine and  
regulations. (Page:749)  
1.7.5.2.11.2.1.1

Perform gun attack in  
LCOS mode. (Page:748)

1.7.5.2.11.2.1

Given cues, describe  
the next specific  
action to take in  
performing gun attack  
in LCOS mode IAW  
current doctrine and  
regulations.

1.7.5.2.11.2.1.1

Describe the  
steps in the  
procedure for gun  
attack in LCOS mode in  
correct order with no  
omissions. (Page:750)

1.7.5.2.11.2.1.1.1

Given cues, describe  
the next specific  
action to take in  
performing gun attack  
in LCOS mode IAW  
current doctrine and  
regulations. (Page:749)

1.7.5.2.11.2.1.1

Describe the steps in  
the procedure for gun  
attack in LCOS mode in  
correct order with no  
omissions.

1.7.5.2.11.2.1.1.1

State the switchology  
procedure for selecting  
and arming the gun in  
the LCOS IAW T.O.  
IF-16A-34-1-1.

1.7.5.2.11.2.1.1.1.1

Given a HUD  
presentation of  
the gun armed in  
the LCOS mode, state  
whether or not gun  
firing parameters have  
been met. (Page:751)

1.7.5.2.11.2.1.1.1.2

Describe the steps in the procedure for gun attack in LCOS mode in correct order with no omissions. (Page:750)

1.7.5.2.11.2.1.1.1

Given a HUD presentation of the gun armed in the LCOS mode, state whether or not gun firing parameters have been met.

1.7.5.2.11.2.1.1.2

Given a HUD presentation, state whether the LCOS mode is selected and whether or not the gun is armed.

1.7.5.2.11.2.1.1.2.1

Perform gun attack  
(Page:746)  
1.7.5.2.11.2

Perform gun attack in  
snapshot mode  
1.7.5.2.11.2.2

Given cues,  
describe the next  
specific action to  
take in performing gun  
attack in snapshot  
mode IAW current  
doctrine and  
regulations. (Page:753)  
1.7.5.2.11.2.2.1

Perform gun attack in  
snapshot mode  
(Page:752)

1.7.5.2.11.2.2

Given cues, describe  
the next specific  
action to take in  
performing gun attack  
in snapshot mode IAW  
current doctrine and  
regulations.

1.7.5.2.11.2.2.1

Describe the  
steps in the  
procedure for gun  
attack in snapshot  
mode in correct order  
with no omissions.  
(Page:754)

1.7.5.2.11.2.2.1.1



Given cues, describe the next specific action to take in performing gun attack in snapshot mode IAW current doctrine and regulations. (Page:753)

1.7.5.2.11.2.2.1

Describe the steps in the procedure for gun attack in snapshot mode in correct order with no omissions.

1.7.5.2.11.2.2.1.1 •

State the switchology procedure for selecting and arming the gun in the snapshot mode IAW T.O. 1F-16A-34-1-1.

1.7.5.2.11.2.2.1.1.1

Given a HUD presentation of the gun armed in the snapshot mode, state whether or not gun firing parameters have been met (Page:755)

1.7.5.2.11.2.2.1.1.2

State the special considerations for employing the gun in the snapshot mode IAW the Avionics Manual and T.O. 1F-16A-34-1-1.

1.7.5.2.11.2.2.1.1.3

Describe the steps in the procedure for gun attack in snapshot mode in correct order with no omissions.  
(Page:754)

1.7.5.2.11.2.2.1.1

Given a HUD presentation of the gun armed in the snapshot mode, state whether or not gun firing parameters have been met

1.7.5.2.11.2.2.1.1.1

Given a HUD presentation, state whether the snapshot mode is selected and whether or not the gun is armed.

1.7.5.2.11.2.2.1.1.2.1

Given a HUD presentation of the gun selected in the snapshot mode, correctly identify missile and gun associated symbology of the display and state the values represented IAW T.O. 1F-16A-34-1-1.

1.7.5.2.11.2.2.1.1.2.2

Perform gun attack  
(Page:746)  
1.7.5.2.11.2

Perform gun attack in  
dogfight mode.  
1.7.5.2.11.2.3

Given cues,  
describe the next  
specific action to  
take in performing gun  
attack in dogfight mode  
IAW current doctrine  
and regulations.  
(Page:757)  
1.7.5.2.11.2.3.1

Perform a gun attack in  
dogfight mode.  
(Page:756)  
1.7.5.2.11.2.3

Given cues, describe  
the next specific  
action to take in  
performing gun attack  
in dogfight mode IAW  
current doctrine and  
regulations.  
1.7.5.2.11.2.3.1

Describe the  
steps in the  
procedure for gun  
attack in dogfight mode  
in correct order with  
no omissions. (Page:758)  
1.7.5.2.11.2.3.1.1

Given cues, describe the next specific action to take in performing gun attack in dogfight mode IAW current doctrine and regulations. (Page:757)

1.7.5.2.11.2.3.1

Describe the steps in the procedure for gun attack in dogfight mode in correct order with no omissions.

1.7.5.2.11.2.3.1.1 •

State the switchology procedure for selecting and arming gun in the dogfight mode IAW T.O. 1F-16A-34-1-1. (Page:759)

1.7.5.2.11.2.3.1.1.1

Given a HUD presentation of the gun armed in the dogfight mode, state whether or not gun firing parameters have been met. (Page:760)

1.7.5.2.11.2.3.1.1.2

State the special considerations for employing the gun in the dogfight mode IAW the Avionics Manual and T.O. 1F-16A-34-1-1.

1.7.5.2.11.2.3.1.1.3

Describe the steps in  
the procedure for gun  
attack in dogfight mode  
in correct order with  
no omissions. (Page:758)

1.7.5.2.11.2.3.1.1

State the switchology  
procedure for selecting  
and arming the gun in  
the dogfight mode IAW  
T.O. 1F-16A-34-1-1.

1.7.5.2.11.2.3.1.1.i

Given a suitable  
hands-on trainer,  
locate the  
dogfight/missile over  
switch and select  
dogfight mode within 2  
seconds without looking.

1.7.5.2.11.2.3.1.1.1

Describe the steps in the procedure for gun attack in dogfight mode in correct order with no omissions. (Page:758)

1.7.5.2.11.2.3.1.1

Given a HUD presentation of the gun armed in the dogfight mode, state whether or not gun firing parameters have been met.

1.7.5.2.11.2.3.1.1.2

Given a HUD presentation, state whether the dogfight/snapshoot mode is selected and whether or not the gun is armed.

1.7.5.2.11.2.3.1.1.2.1

Given a HUD presentation of the gun selected in the dogfight mode, correctly identify missile and gun associated symbology and state the values represented IAW T.O. IF-16A-34-1-1.

1.7.5.2.11.2.3.1.1.2.2

Perform gun attack  
(Page:746)

1.7.5.2.11.2

Perform gun attack  
using stadiametric  
ranging/manual reticle

1.7.5.2.11.2.4

Given cues,  
describe the next  
specific action to  
take in performing gun  
attack using  
stadiametric  
ranging/manual reticle  
IAW current doctrine  
and regulations.

(Page:762)

1.7.5.2.11.2.4.1



Perform gun attack  
using stadiametric  
ranging/manual reticle  
(Page:761)

1.7.5.2.11.2.4

Given cues, describe  
the next specific  
action to take in  
performing gun attack  
using stadiametric  
ranging/manual reticle  
IAW current doctrine  
and regulations.

1.7.5.2.11.2.4.1 •

Describe the  
steps in the  
procedure for gun  
attack using  
stadiametric  
ranging/manual reticle  
in correct order with  
no omissions. (Page:763)

1.7.5.2.11.2.4.1/1

Given cues, describe the next specific action to take in performing gun attack using stadiametric ranging/manual reticle IAW current doctrine and regulations.  
(Page:762)

1.7.5.2.11.2.4.i

Describe the steps in the procedure for gun attack using stadiametric ranging/manual reticle in correct order with no omissions.

1.7.5.2.11.2.4.i.1

State the switchology procedure for selecting and arming the gun using manual/stadiametric ranging IAW the Avionics Manual and T.O. 1F-16A-34-1-1.  
(Page:764)

1.7.5.2.11.2.4.i.1.1

Given a HUD presentation of an armed gun manual/stadiametric ranging and wing span setting for the target, state whether or not gun firing parameters have been met.  
(Page:765)

1.7.5.2.11.2.4.i.1.2

State the special considerations for employing the gun using manual/stadiametric ranging IAW T.O. 1F-16A-34-1-1.

1.7.5.2.11.2.4.i.1.3

Describe the steps in the procedure for gun attack using stadiametric ranging/manual reticle in correct order with no omissions. (Page:763)

1.7.5.2.11.2.4.1.1

State the switchology procedure for selecting and arming the gun using manual/stadiametric ranging IAW the Avionics Manual and T.O. 1F-16A-34-1-1.

1.7.5.2.11.2.4.1.1.1

Describe the conditions that will result in manual/stadiametric ranging availability in gun firing IAW T.O. 1F-16A-34-1-1.

1.7.5.2.11.2.4.1.1.1.1

Given a suitable hands-on trainer, set a given target wingspan on control panel within ten feet within 15 seconds.

1.7.5.2.11.2.4.1.1.1.2

Given a suitable hands-on trainer, locate and actuate the Manual Range in two seconds without looking.

1.7.5.2.11.2.4.1.1.1.3

Describe the steps in the procedure for gun attack using stadiametric ranging/manual reticle in correct order with no omissions. (Page:763)

1.7.5.2.11.2.4.1.1

Given a HUD presentation of an armed gun manual/stadiametric ranging and wing span setting for the target, state whether or not gun firing parameters have been met.

1.7.5.2.11.2.4.1.1.2

Given a HUD presentation of the gun selected and manual/stadiametric ranging being employed, correctly identify gun associated symbology and state the values represented IAW T.O

1F-16A-34-1-1.

1.7.5.2.11.2.4.1.1.2.1

Given a HUD  
presentation of an  
armed gun  
manual/stadiametric  
ranging and wing span  
setting for the target,  
state whether or not  
gun firing parameters  
have been met.

(Page:765)

1.7.5.2.11.2.4.1.1.2

Given a HUD  
presentation of the gun  
selected and  
manual/stadiametric  
ranging being employed,  
correctly identify gun  
associated symbology  
and state the values  
represented IAW T.O  
1F-16A-34-1-1.

1.7.5.2.11.2.4.1.1.2.1

Given a HUD  
presentation for gun  
firing using  
manual/stadiametric  
ranging and wing span  
setting, read the range  
displayed within 500  
feet.

1.7.5.2.11.2.4.1.1.2.1.1

Perform gun attack  
(Page:746)  
1.7.5.2.11.2

Perform gun attack  
using HUD back-up.  
1.7.5.2.11.2.5

Given cues,  
describe the next  
specific action to  
take in performing gun  
attack using HUD  
back-up IAW Phase  
Manual. (Page:768)  
1.7.5.2.11.2.5.1

Perform gun attack  
using HUD back-up.  
(Page:767)

1.7.5.2.11.2.5

Given cues, describe  
the next specific  
action to take in  
performing gun attack  
using HUD back-up IAW  
Phase Manual.

1.7.5.2.11.2.5.1

Describe the  
steps in the  
procedure for gun  
attack using HUD  
back-up in correct  
order with no  
omissions. (Page:769)

1.7.5.2.11.2.5.1.1

Given cues, describe  
the next specific  
action to take in  
performing gun attack  
using HUD back-up IAW  
Phase Manual. (Page:768)

1.7.5.2.11.2.5.1

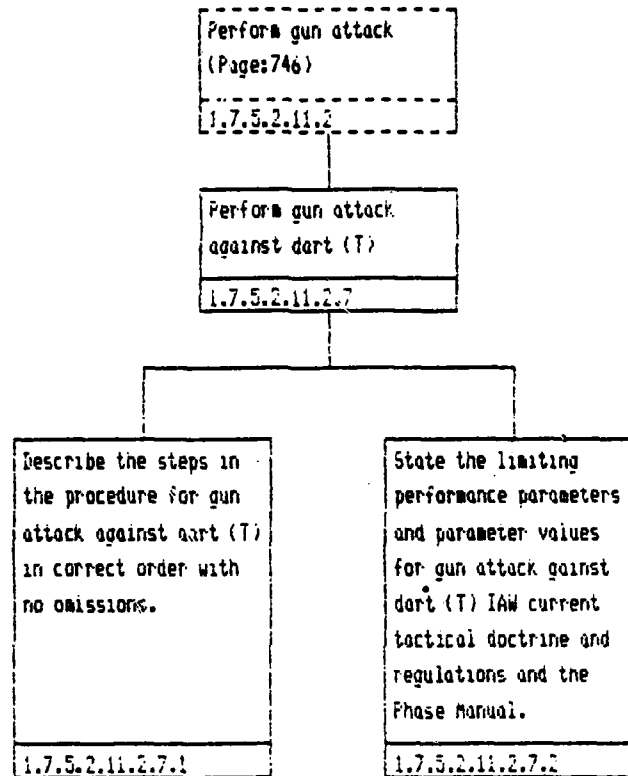
Describe the steps in  
the procedure for gun  
attack using HUD  
back-up in correct  
order with no omissions.

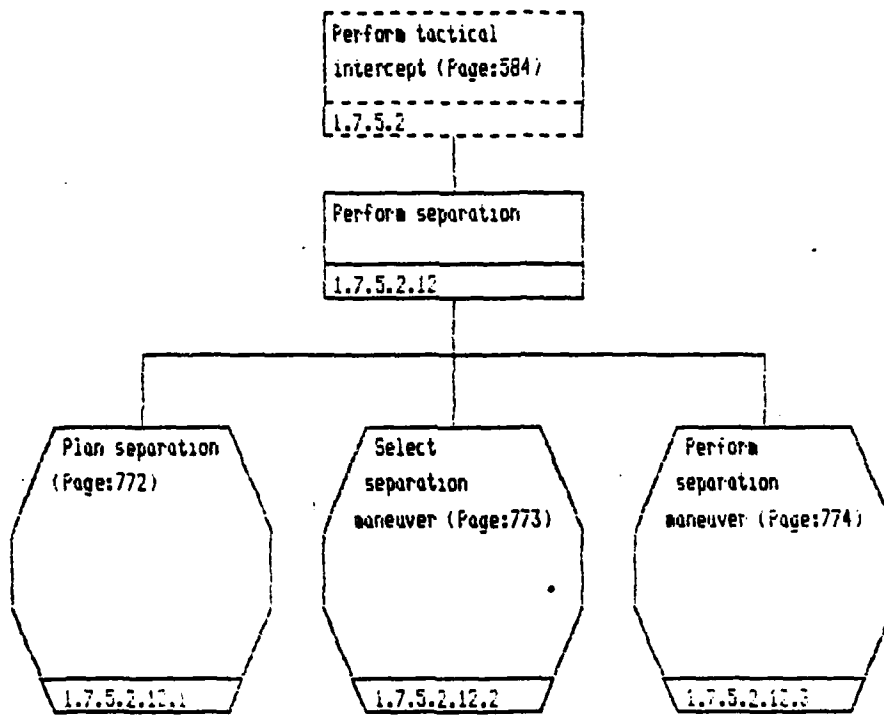
1.7.5.2.11.2.5.1.1

Describe the conditions  
that will result in the  
HUD back-up mode  
availability and the  
gun mode that will be  
used.

1.7.5.2.11.2.5.1.1.1







Perform separation  
(Page:771)  
1.7.5.2.12

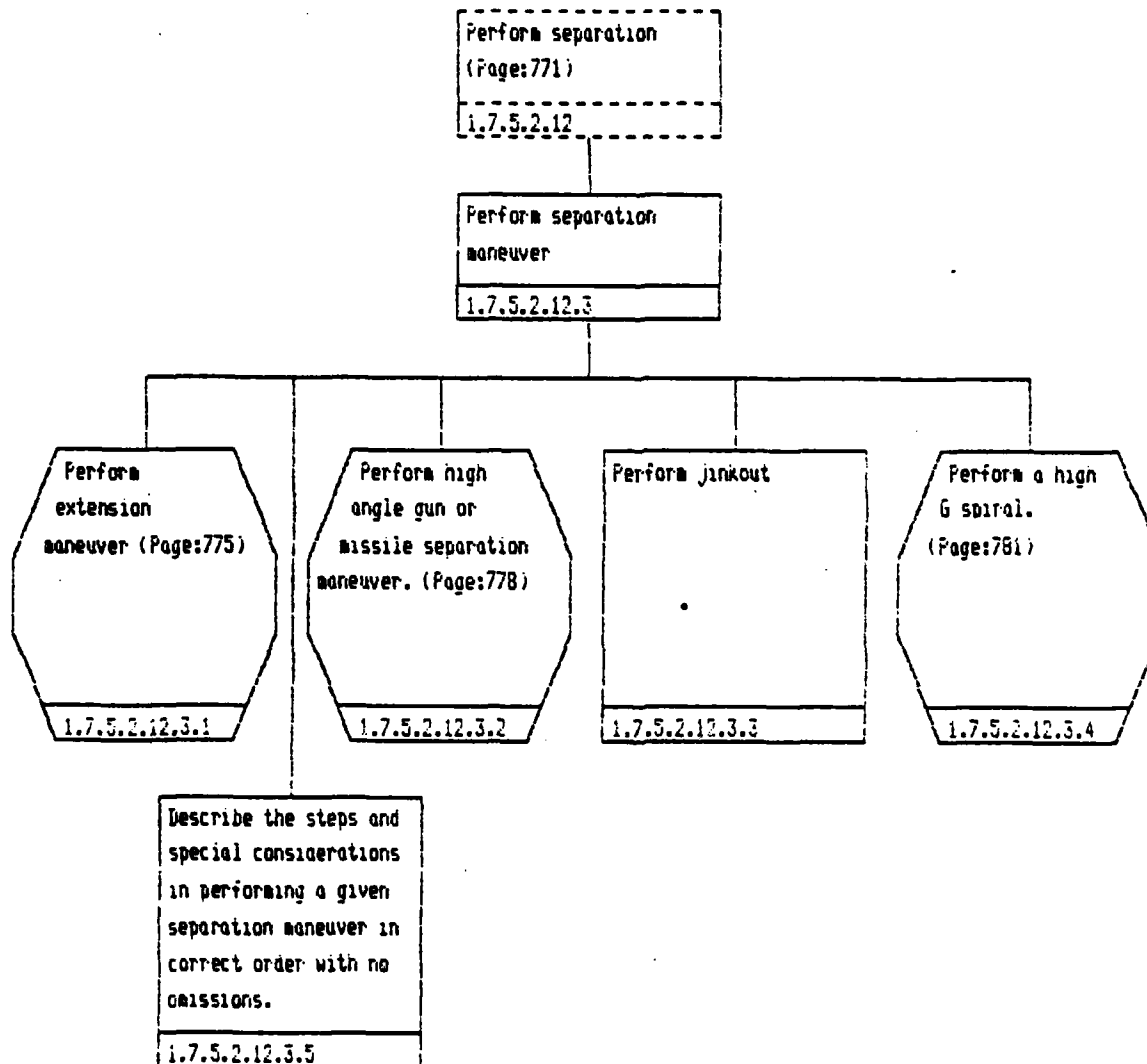
Plan separation  
1.7.5.2.12.1

Given a tactical  
scenario, describe the  
best separation  
maneuver IAW current  
tactical doctrine and  
regulations.  
1.7.5.2.12.1.1

Perform separation  
(Page:771)  
1.7.5.2.12

Select separation  
maneuver  
1.7.5.2.12.2

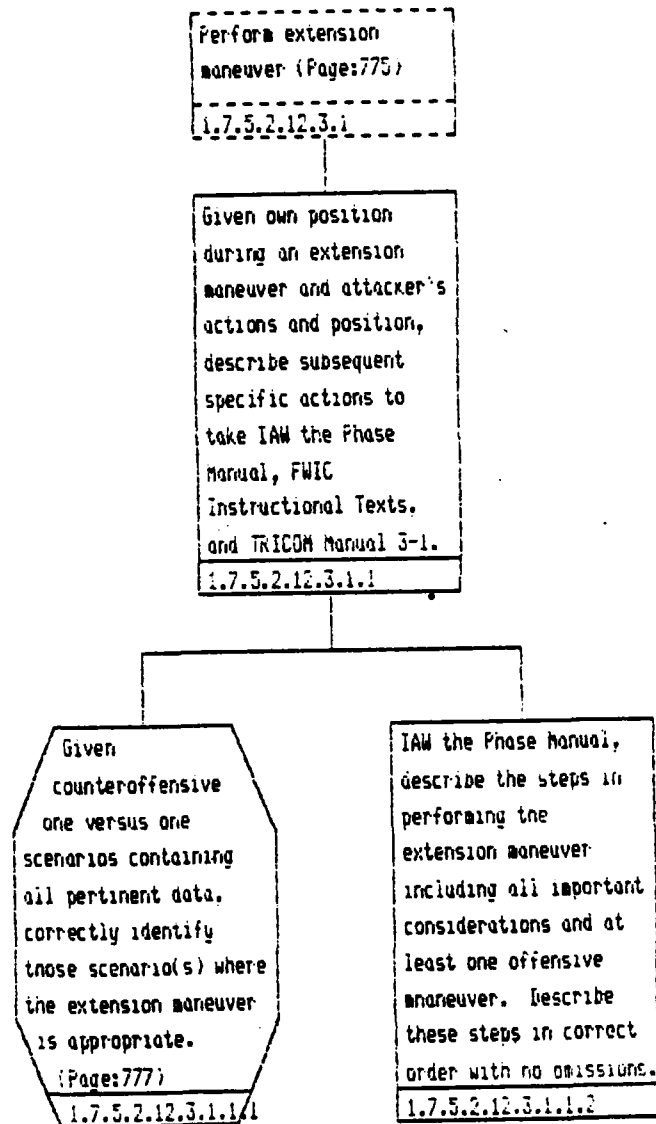
Name the varieties of  
separation maneuvers  
and identify the  
situations where each  
may be employed with no  
omissions IAW current  
tactical doctrine and  
regulations and the  
Phase Manual.  
1.7.5.2.12.2.1



Perform separation  
maneuver (Page:774)  
1.7.5.2.12.3

Perform extension  
maneuver  
1.7.5.2.12.3.1

Given own  
position during  
an extension  
maneuver and attacker's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the Phase  
Manual, FWIC  
Instructional  
1.7.5.2.12.3.1.1



Given own position during an extension maneuver and attacker's actions and position, describe subsequent specific actions to take IAW the Phase Manual, FWIC Instructional Texts, and TRICOM Manual 3-1.

1.7.5.2.12.3.1.1

Given counteroffensive one versus one scenarios containing all pertinent data, correctly identify those scenario(s) where the extension maneuver is appropriate.

1.7.5.2.12.3.1.1.1

Correctly state the purpose of the extension maneuver IAW the Phase Manual.

1.7.5.2.12.3.1.1.1.1



Perform separation  
maneuver (Page:774)  
1.7.5.2.12.3

Perform high angle gun  
or missile separation  
maneuver.  
1.7.5.2.12.3.2

Given own  
position during a  
high angle gun or  
missile separation  
maneuver and attacker's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the Phase  
Manual, FWIC  
1.7.5.2.12.3.2.1

Perform high angle gun  
or missile separation  
maneuver. (Page:778)

1.7.5.2.12.3.2

Given own position  
during a high angle gun  
or missile separation  
maneuver and attacker's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the Phase  
Manual, FWIC  
Instructional Texts.

1.7.5.2.12.3.2.1

Given  
counteroffensive  
one versus one  
scenarios containing  
all pertinent data,  
correctly identify  
those scenario(s) where  
the high angle gun or  
missile separation  
maneuver is

1.7.5.2.12.3.2.1.1

IAW the Phase Manual,  
describe the steps in  
performing the high  
angle gun or missile  
separation maneuver  
including all important  
considerations and at  
least one offensive  
counter-maneuver in  
correct order with no

1.7.5.2.12.3.2.1.2

Given own position  
during a high angle gun  
or missile separation  
maneuver and attacker's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the Phase  
Manual.FWIC  
Instructional Texts,  
1.7.5.2.12.3.2.1

Given counteroffensive  
one versus one  
scenarios containing  
all pertinent data, \*  
correctly identify  
those scenario(s) where  
the high angle gun or  
missile separation  
maneuver is appropriate.  
1.7.5.2.12.3.2.1.1

Correctly state the  
purpose of the high  
angle gun or missile  
separation maneuver IAW  
Manual.  
1.7.5.2.12.3.2.1.1.1

Perform separation  
maneuver (Page:774)

1.7.5.2.12.3

Perform a high G spiral.

1.7.5.2.12.3.4

Given own  
position during a  
high g spiral  
maneuver and attacker's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the Phase  
manual, FWIC

Instructional

1.7.5.2.12.3.4.1

Perform a high G  
spiral. (Page:781)

1.7.5.2.12.3.4

Given own position  
during a high g spiral  
maneuver and attacker's  
actions and position,  
describe subsequent  
specific actions to  
take IAW the Phase  
Manual, FWIC  
Instructional Texts,  
and TRICOM Manual 3-1.

1.7.5.2.12.3.4.1

Given  
counteroffensive  
one versus one  
scenarios containing  
all pertinent data,  
correctly identify  
those scenario(s) where  
the high g spiral  
maneuver is  
appropriate. (D)

1.7.5.2.12.3.4.1.1

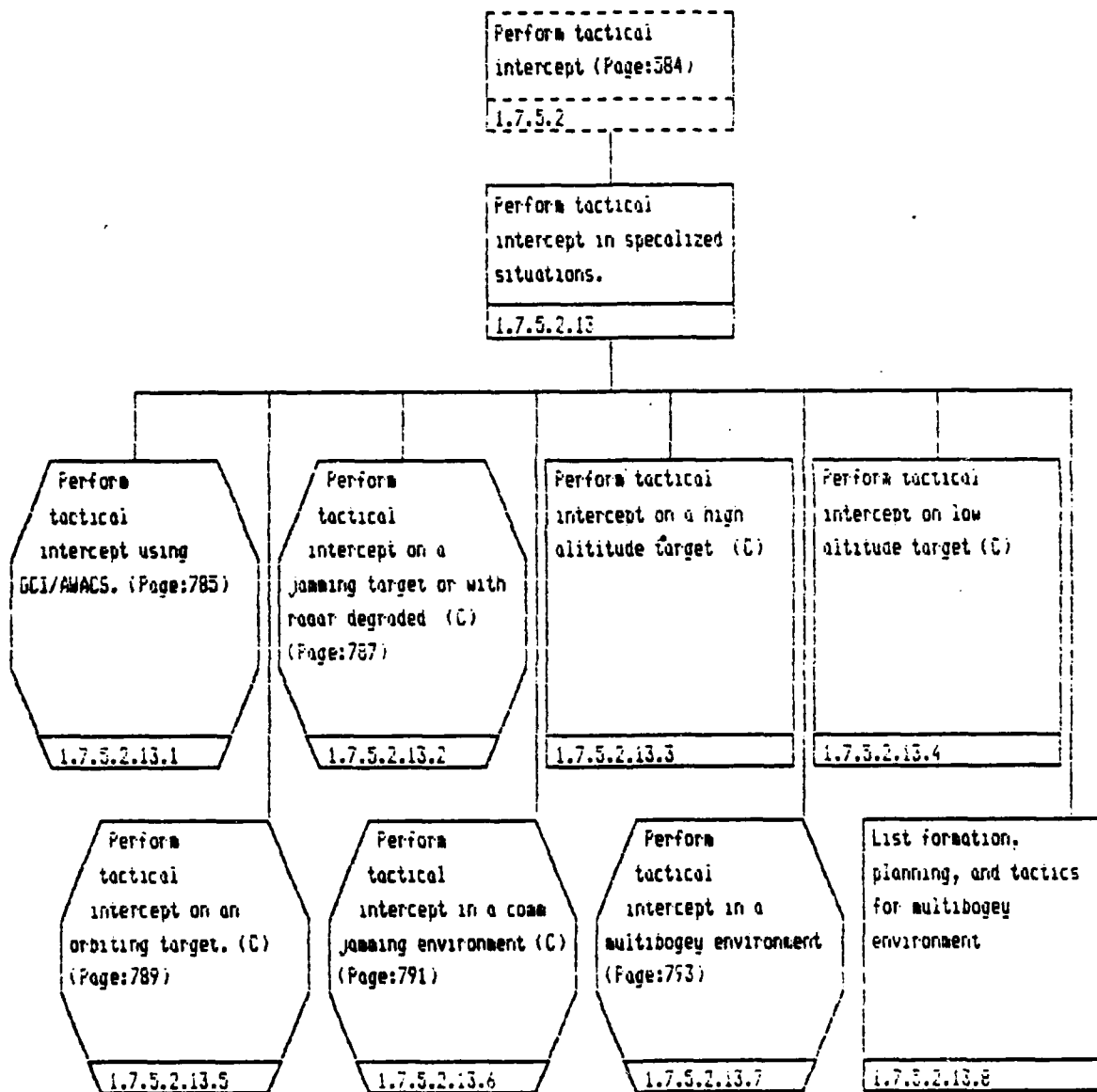
IAW the Phase Manual  
describe the steps in  
performing the high g  
spiral maneuver  
including all important  
considerations and at  
least one offensive  
counter-maneuver.  
Describe these steps in  
correct order with nu

1.7.5.2.12.3.4.1.2

Given own position during a high g spiral maneuver and attacker's actions and position, describe subsequent specific actions to take IAW the Phase Manual, FWIC Instructional Texts, and TRICOM Manual 3-1.  
1.7.5.2.12.3.4.1

Given counteroffensive one versus one scenarios containing all pertinent data, correctly identify those scenario(s) where the high g spiral maneuver is appropriate. (D)  
1.7.5.2.12.3.4.1.1

Correctly state the purpose of the high g spiral maneuver IAW the Phase Manual (D)  
1.7.5.2.12.3.4.1.1.1



Perform tactical  
intercept in specialized  
situations. (Page:784)

1.7.5.2.13

Perform tactical  
intercept using  
GCI/AWACS.

1.7.5.2.13.1

Given cues,  
describe next  
specific action to  
take in performing  
tactical intercept  
using GCI/AWACS IAW  
current tactical  
doctrine and  
regulations.

(Page:786)

1.7.5.2.13.1.1



Perform tactical  
intercept using  
GCI/AWACS. (Page:785)

1.7.5.2.13.1

Given cues, describe  
next specific action to  
take in performing  
tactical intercept  
using GCI/AWACS IAW  
current tactical  
doctrine and  
regulations.

1.7.5.2.13.1.1

State the special  
considerations for  
tactical intercept  
using GCI/AWACS without  
error.

1.7.5.2.13.1.1.1

Perform tactical  
intercept in specialized  
situations. (Page:784)  
1.7.5.2.13

Perform tactical  
intercept on a jamming  
target or with radar  
degraded (C)  
1.7.5.2.13.2

Given cues,  
describe next  
specific action to  
take in performing  
tactical intercept on a  
jamming target or with  
radar degraded IAW  
current tactical  
doctrine and  
regulations.  
1.7.5.2.13.2.1

Perform tactical  
intercept on a jamming  
target or with radar  
degraded (C) (Page:787)

1.7.5.2.13.2

Given cues, describe  
next specific action to  
take in performing  
tactical intercept on a  
jamming target or with  
radar degraded. IAW  
current tactical  
doctrine and  
regulations.

1.7.5.2.13.2.1

State the special  
considerations for  
tactical intercept on a  
jamming target or with  
radar degraded without  
error.

1.7.5.2.13.2.1.1

Perform tactical  
intercept in specialized  
situations. (Page:784)  
1.7.5.2.13

Perform tactical  
intercept on an  
orbiting target. (C)  
1.7.5.2.13.5

Given cues,  
describe the next  
specific action to  
take in performing  
tactical intercept on  
an orbiting target IAW  
current tactical  
doctrine and  
regulations.  
(Page:790)  
1.7.5.2.13.5.1

Perform tactical  
intercept on an  
orbiting target. (C)  
(Page:789)

1.7.5.2.13.5

Given cues, describe  
the next specific  
action to take in  
performing tactical  
intercept on an  
orbiting target IAW  
current tactical  
doctrine and  
regulations.

1.7.5.2.13.5.1

State the special  
considerations for  
tactical intercept on  
an orbiting target  
without error.

1.7.5.2.13.5.1.1

Perform tactical  
intercept in specialized  
situations. (Page:784)

1.7.5.2.13

Perform tactical  
intercept in a comm  
jamming environment (C)

1.7.5.2.13.6

Given cues,  
describe the next  
specific action to  
take in performing  
tactical intercept in  
comm jamming  
environment IAW current  
tactical doctrine and  
regulations.

(Page:792)

1.7.5.2.13.6.1

Perform tactical  
intercept in a comm  
jamming environment (C)  
(Page:791)

1.7.5.2.13.6

Given cues, describe  
the next specific  
action to take in  
performing tactical  
intercept in comm  
jamming environment IAW  
current tactical  
doctrine and  
regulations. •

1.7.5.2.13.6.1

State the special  
considerations for  
tactical intercept in a  
comm jamming  
environment without  
error.

1.7.5.2.13.6.1.1

Perform tactical  
intercept in specialized  
situations. (Page:784)  
1.7.5.2.13

Perform tactical  
intercept in a  
multibogey environment  
1.7.5.2.13.7

Given cues,  
describe the next .  
specific action to  
take in performing  
tactical intercept in a  
multibogey environment  
IAW current tactical  
doctrine, FWOC texts  
and regulations.  
(Page:794)  
1.7.5.2.13.7.1



Perform tactical  
intercept in a  
multibogey environment  
(Page:793)

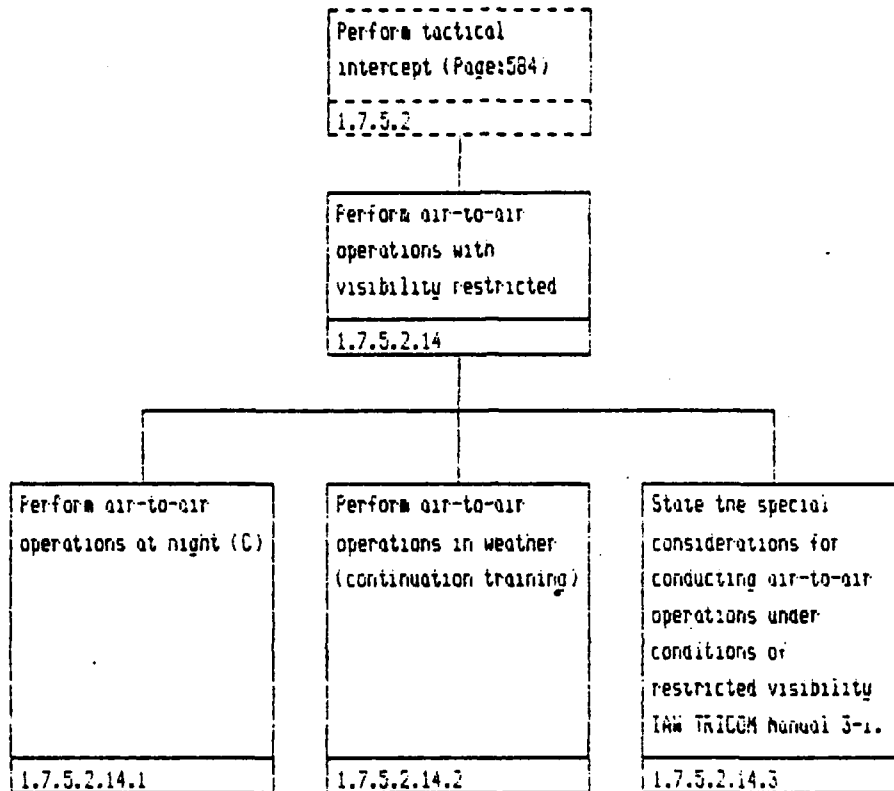
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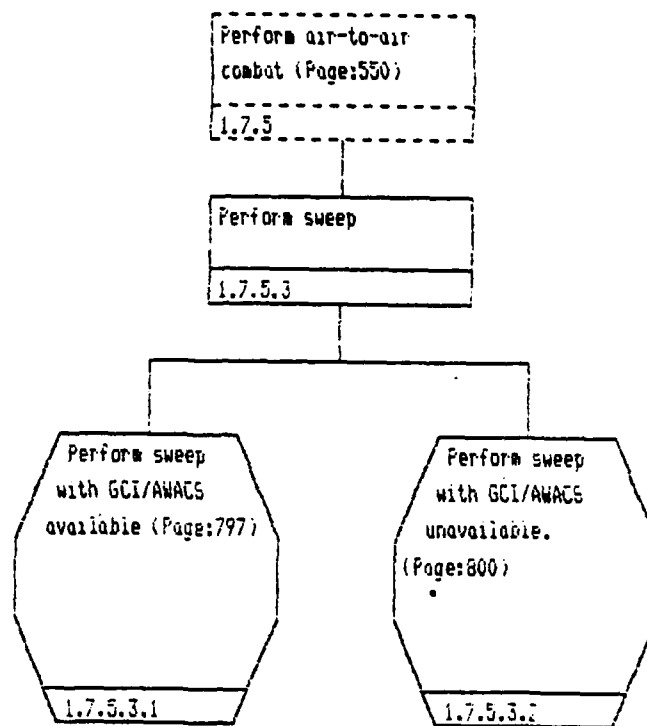
Given cues, describe  
the next specific  
action to take in  
performing tactical  
intercept in a  
multibogey environment  
IAW current tactical  
doctrine, FMGC texts  
and regulations.

1.7.5.2.13.7.1

State the special  
considerations for  
tactical intercept in a  
multibogey environment  
without error.

1.7.5.2.13.7.1.1





Perform sweep (Page:796)

1.7.5.3

Perform sweep with  
GCI/AWACS available

1.7.5.3.1

Given cues,  
describe the next  
specific action to  
take in performing  
sweep with GCI/AWACS  
available (Page:798)

1.7.5.3.1.1

Perform sweep with  
GCI/AWACS available  
(Page:797)

1.7.5.3.1

Given cues, describe  
the next specific  
action to take in  
performing sweep with  
GCI/AWACS available

1.7.5.3.1.1

Describe the  
steps in the  
procedure for sweep  
with GCI/AWACS  
available in correct  
order with no  
omissions. (Page:799)

1.7.5.3.1.1.1

Given cues, describe  
the next specific  
action to take in  
performing sweep with  
GCI/AWACS available  
(Page:798)

1.7.5.3.1.1

Describe the steps in  
the procedure for sweep  
with GCI/AWACS  
available in correct  
order with no omissions.

1.7.5.3.1.1.1

List the major planning  
factors for a Fighter  
Sweep Mission with  
GCI/AWACS available IAW  
TRICOM Manual 3-1,  
Fighter Weapons School  
texts, and current  
directives.

1.7.5.3.1.1.1.1

Perform sweep (Page:796)

1.7.5.3

Perform sweep with  
GCI/AWACS unavailable.

1.7.5.3.2

Given cues,  
describe the next  
specific action to  
take in performing  
sweep with GCI/AWACS •  
unavailable IAW current  
tactical doctrine, TWIC  
texts and regulations.  
(Page:801)

1.7.5.3.2.1

Perform sweep with  
GCI/AMACS unavailable.  
(Page:800)

1.7.5.3.2

Given cues, describe  
the next specific  
action to take in  
performing sweep with  
GCI/AMACS unavailable  
IAM current tactical  
doctrine, TWIC texts  
and regulations.

1.7.5.3.2.1

Describe the  
steps in the  
procedure for sweep  
with GCI/AMACS  
unavailable in correct  
order with no  
omissions. (Page:802)

1.7.5.3.2.1.1



Given cues, describe  
the next specific  
action to take in  
performing sweep with  
GCI/AWACS unavailable  
IAW current tactical  
doctrine, TWIC texts  
and regulations.  
(Page:801)

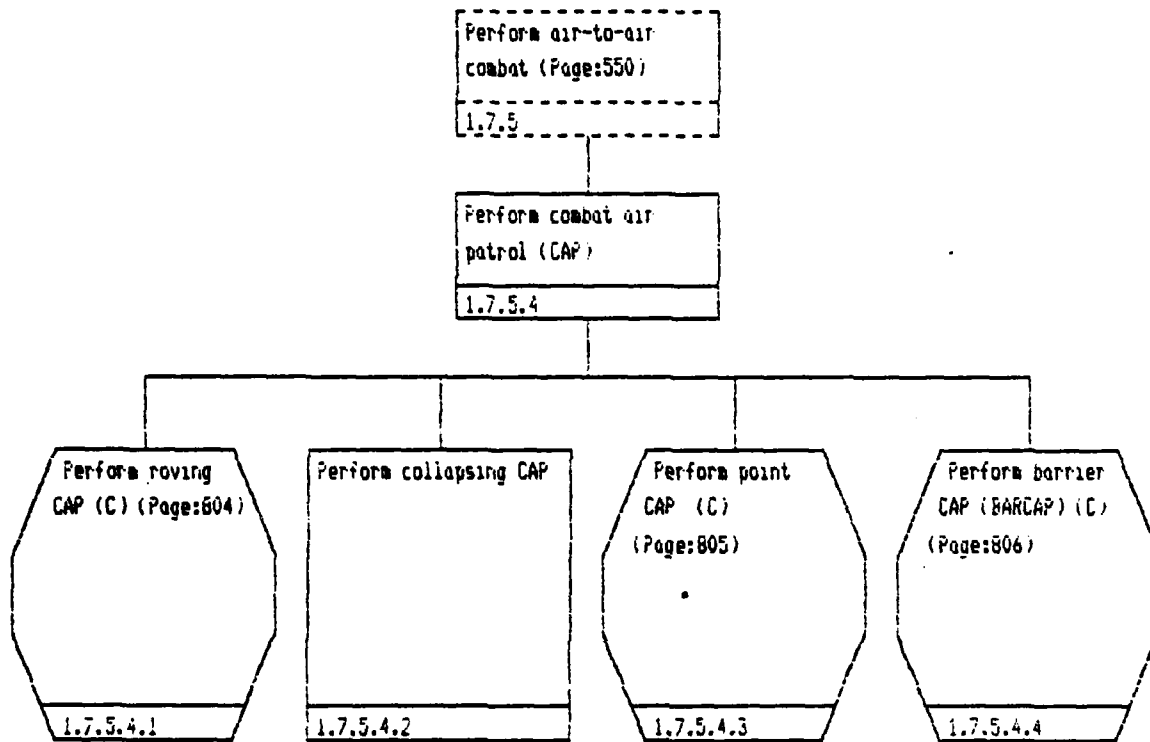
1.7.5.3.2.1

Describe the steps in  
the procedure for sweep  
with GCI/AWACS  
unavailable in correct  
order with no omissions.

1.7.5.3.2.1.1

List the major planning  
factors for a Fighter  
Sweep Mission with GCI  
unavailable IAW TRICOM  
Manual J-1, Fighter  
Weapons School texts,  
and current directives.

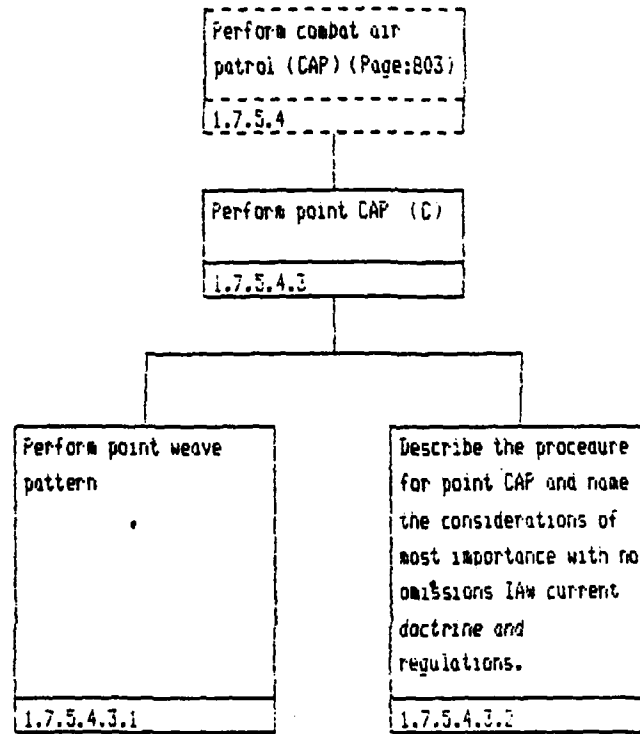
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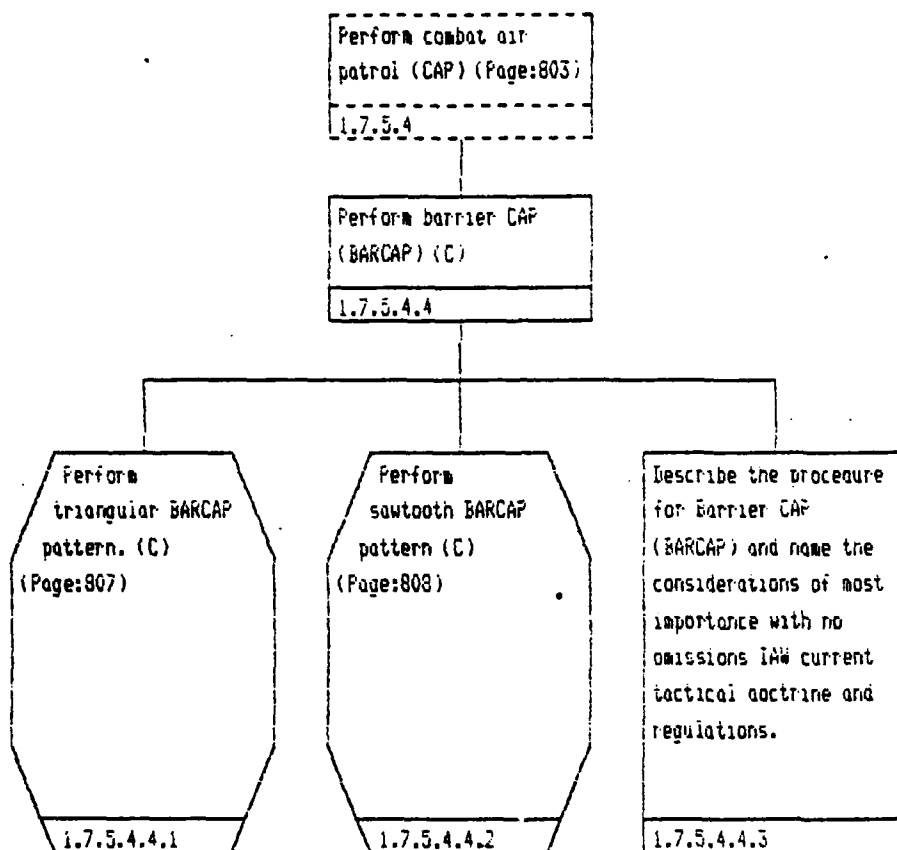


Perform combat air  
patrol (CAP) (Page:803)  
1.7.5.4

Perform roving CAP (C)  
1.7.5.4.1

Describe the procedure  
for roving CAP and name  
the considerations of  
most importance with no  
omissions IAW current  
doctrine and  
regulations.  
1.7.5.4.1.1





Perform barrier CAP  
(BARCAP) (C) (Page:606)

1.7.5.4.4

Perform triangular  
BARCAP pattern. (C)

1.7.5.4.4.1

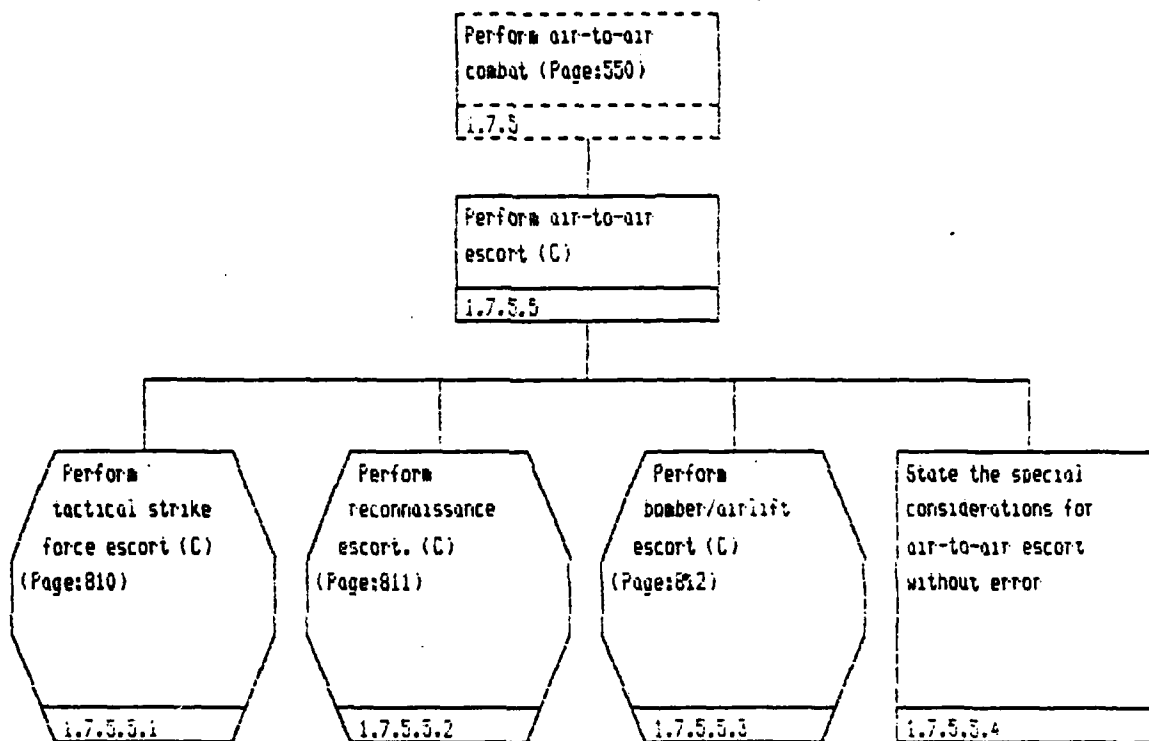
Describe the procedure  
for triangular BARCAP  
pattern and name the  
considerations of most  
importance with no  
omissions IAW current  
tactical doctrine, FWIC  
texts and regulations.

1.7.5.4.4.1.1

Perform barrier CAP  
(BARCAP) (C) (Page:806)  
1.7.5.4.4

Perform sawtooth BARCAP  
pattern (C)  
1.7.5.4.4.2

Describe the procedure  
for sawtooth BARCAP  
pattern and name the  
considerations of most  
importance with no  
omissions IAW current  
tactical doctrine, TWIC  
texts and regulations.  
1.7.5.4.4.2.i





Perform air-to-air  
escort (C) (Page:809)  
1.7.5.5

Perform tactical strike  
force escort (C)  
1.7.5.5.1

State the special  
considerations for  
tactical strike force  
escort without error.  
1.7.5.5.1.1

Perform air-to-air  
escort (C) (Page:807)  
1.7.5.5

Perform reconnaissance  
escort. (C)  
1.7.5.5.2

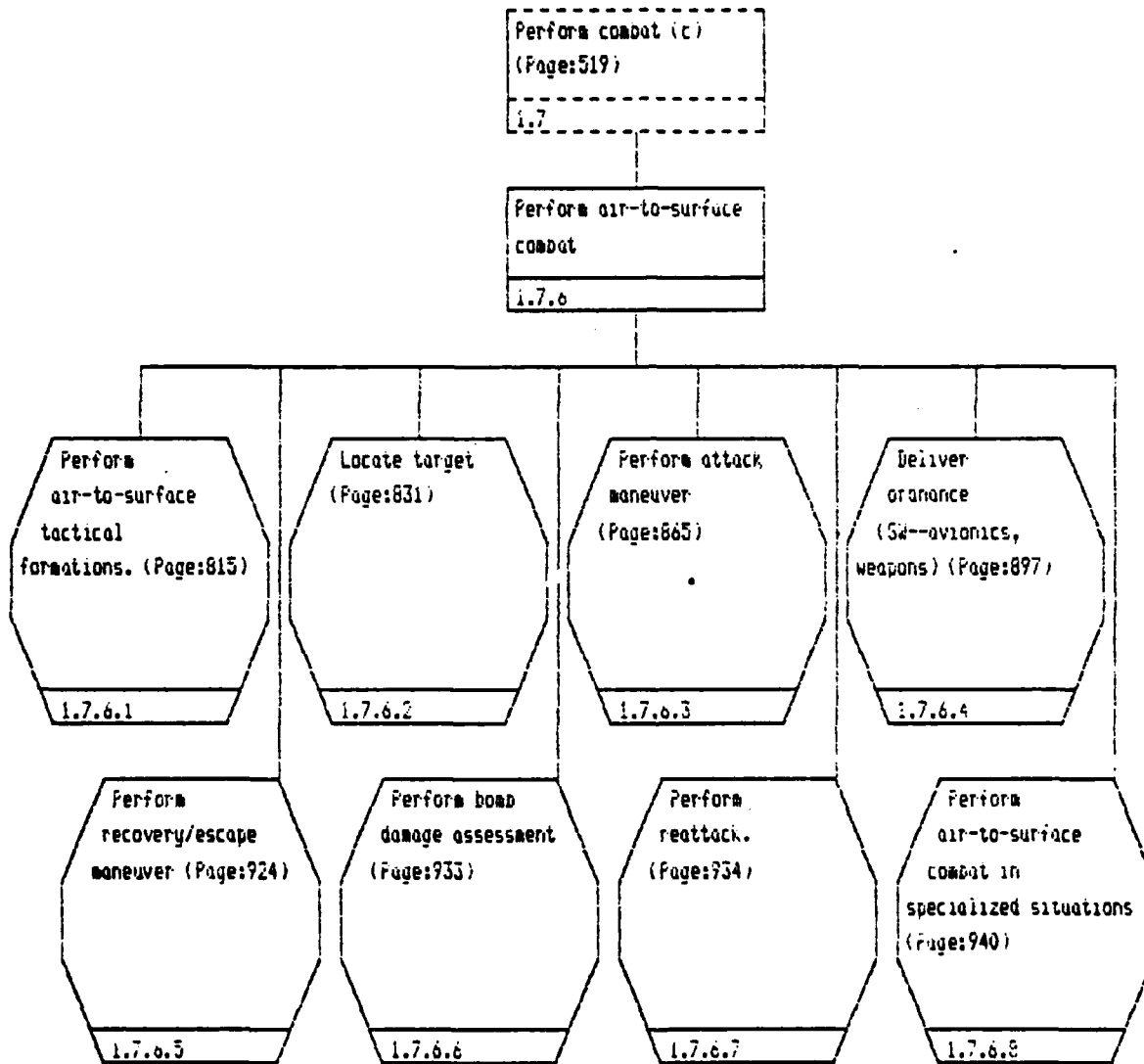
State the special  
considerations for  
reconnaissance escort  
without error.  
1.7.5.5.2.1

Perform air-to-air  
escort (C) (Page:609)  
1.7.5.5

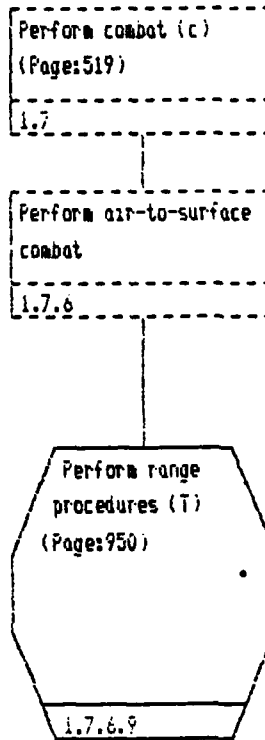
Perform bomber/airlift  
escort (C)  
1.7.5.5.3

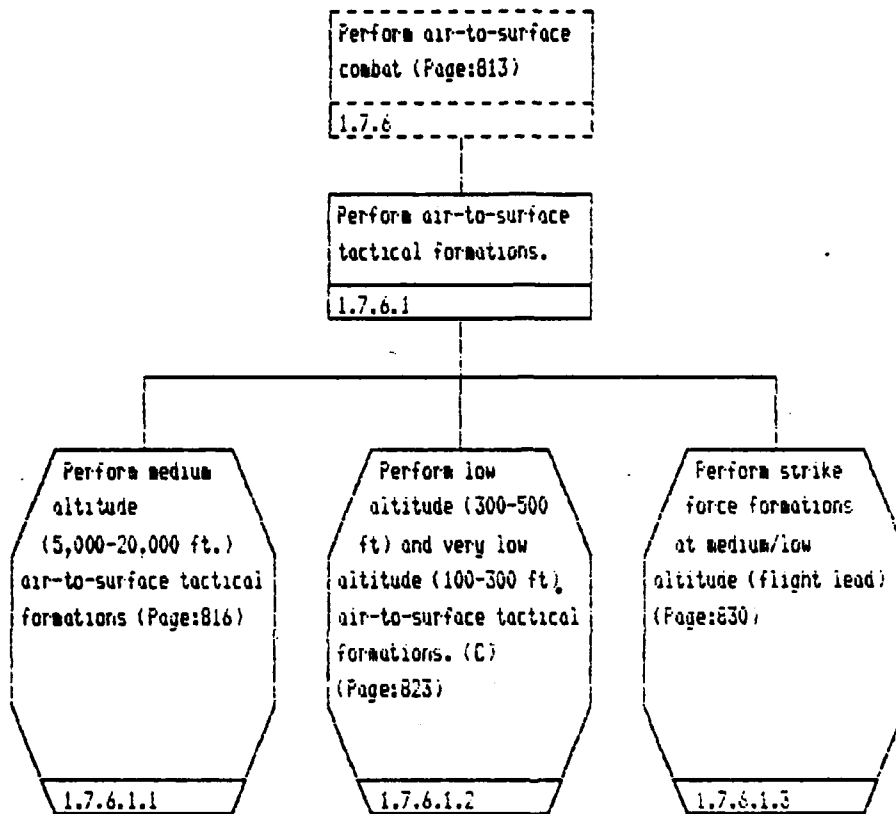
State the special  
considerations for  
bomber/airlift escort  
without error.  
1.7.5.5.3.1

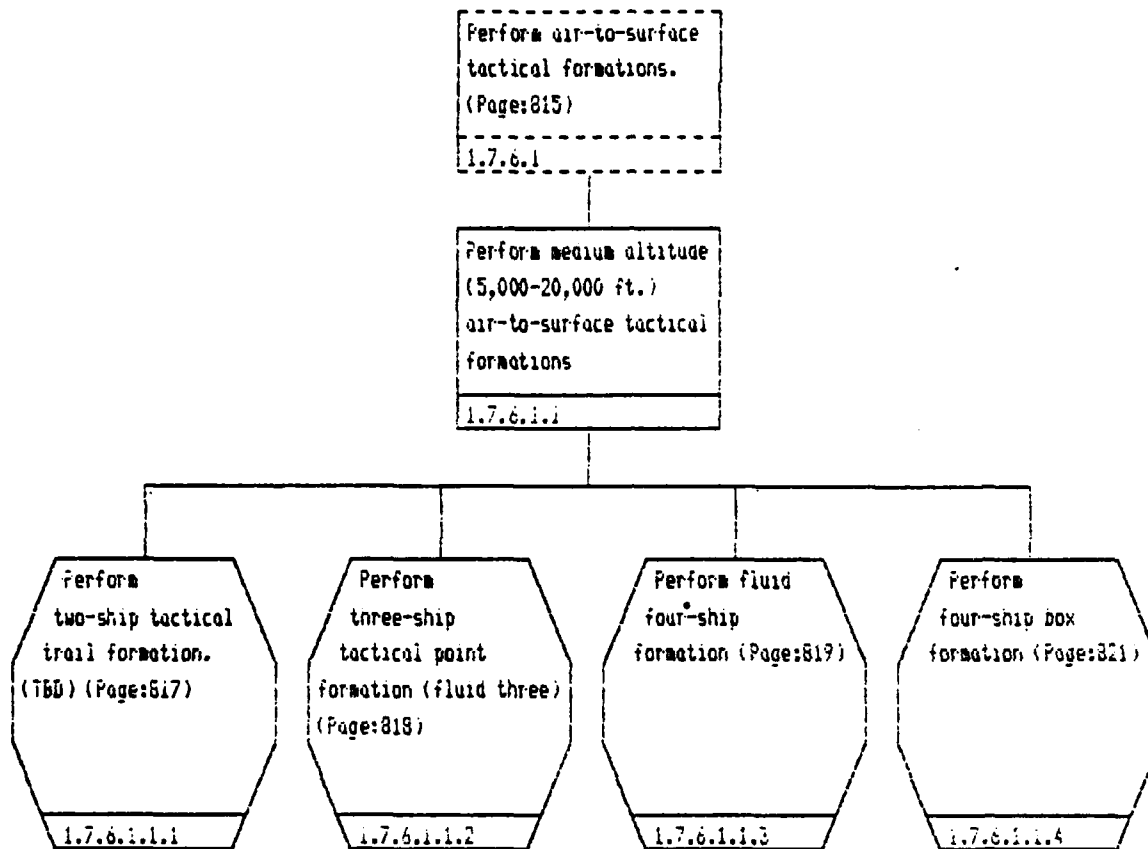
Continued on page: 814

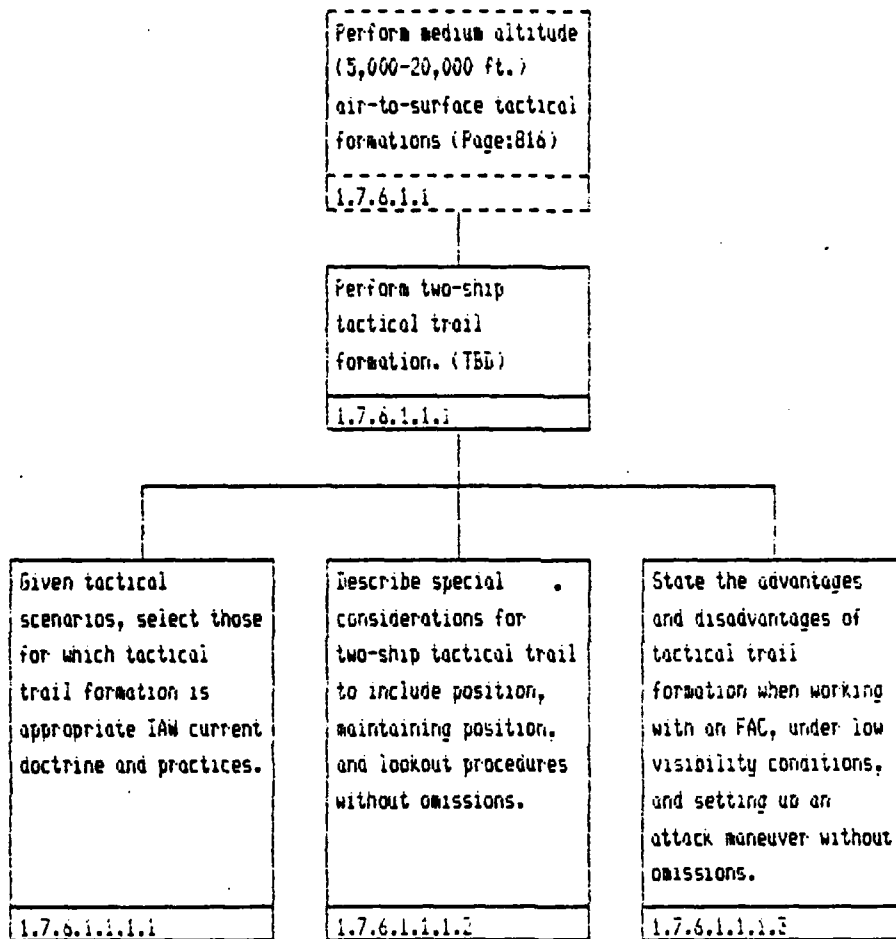


Continued from page: 813











Perform medium altitude  
(5,000-20,000 ft.)  
air-to-surface tactical  
formations (Page:816)

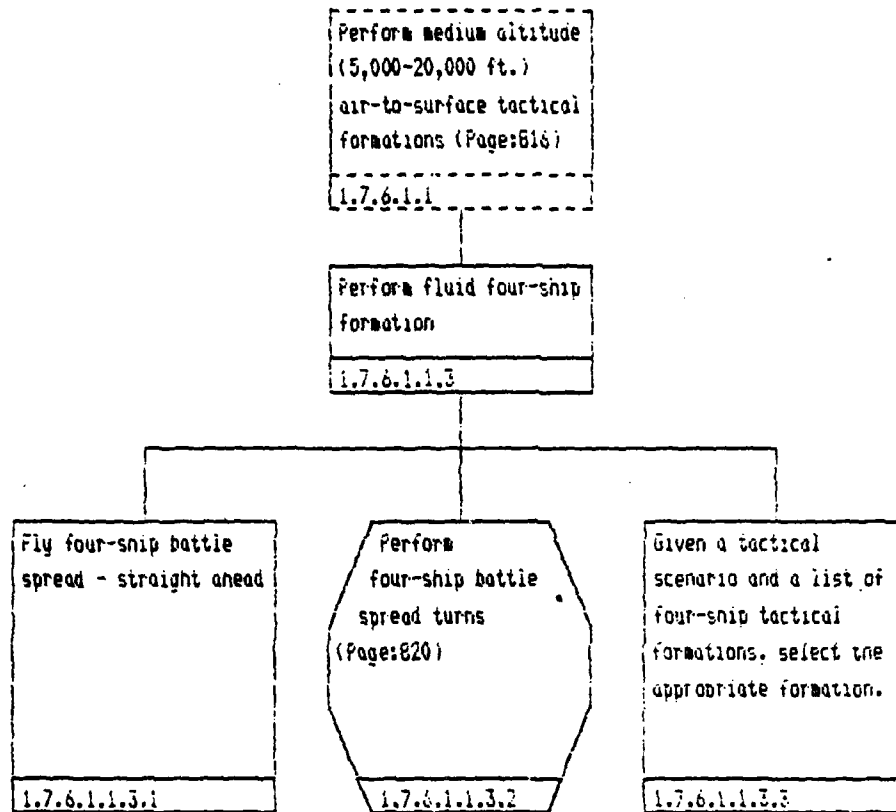
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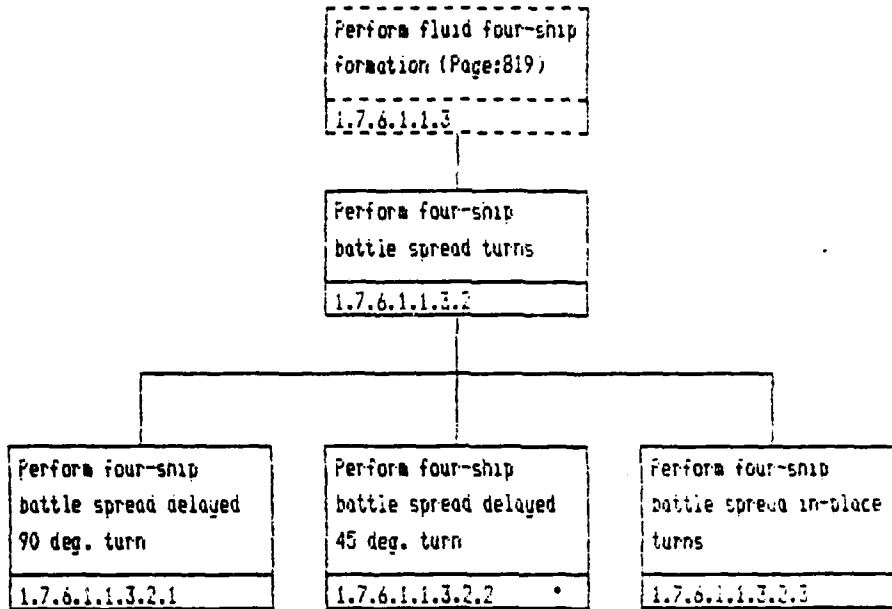
Perform three-ship  
tactical point  
formation (fluid three)

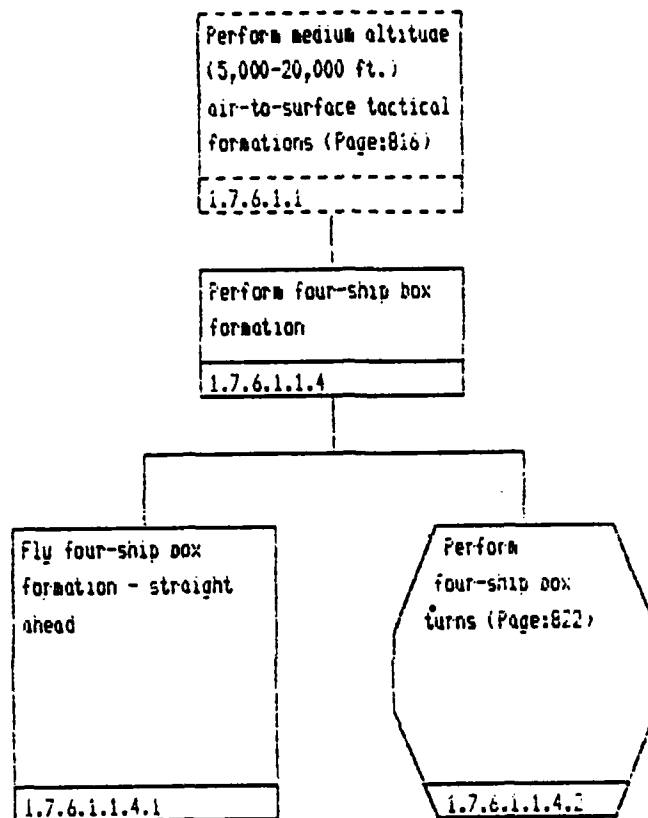
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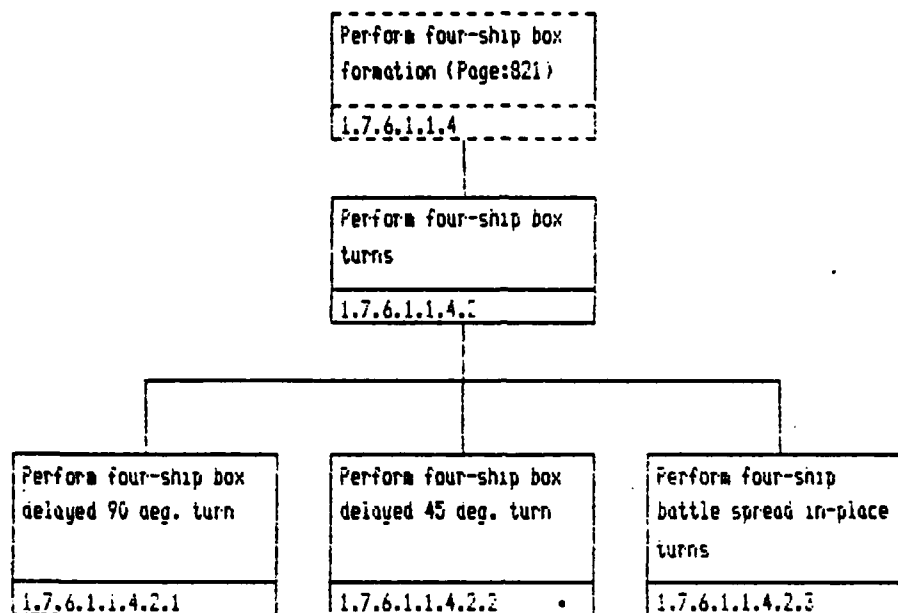
Given a tactical  
scenario and a list of  
three-ship tactical  
formations, select the  
appropriate formation.

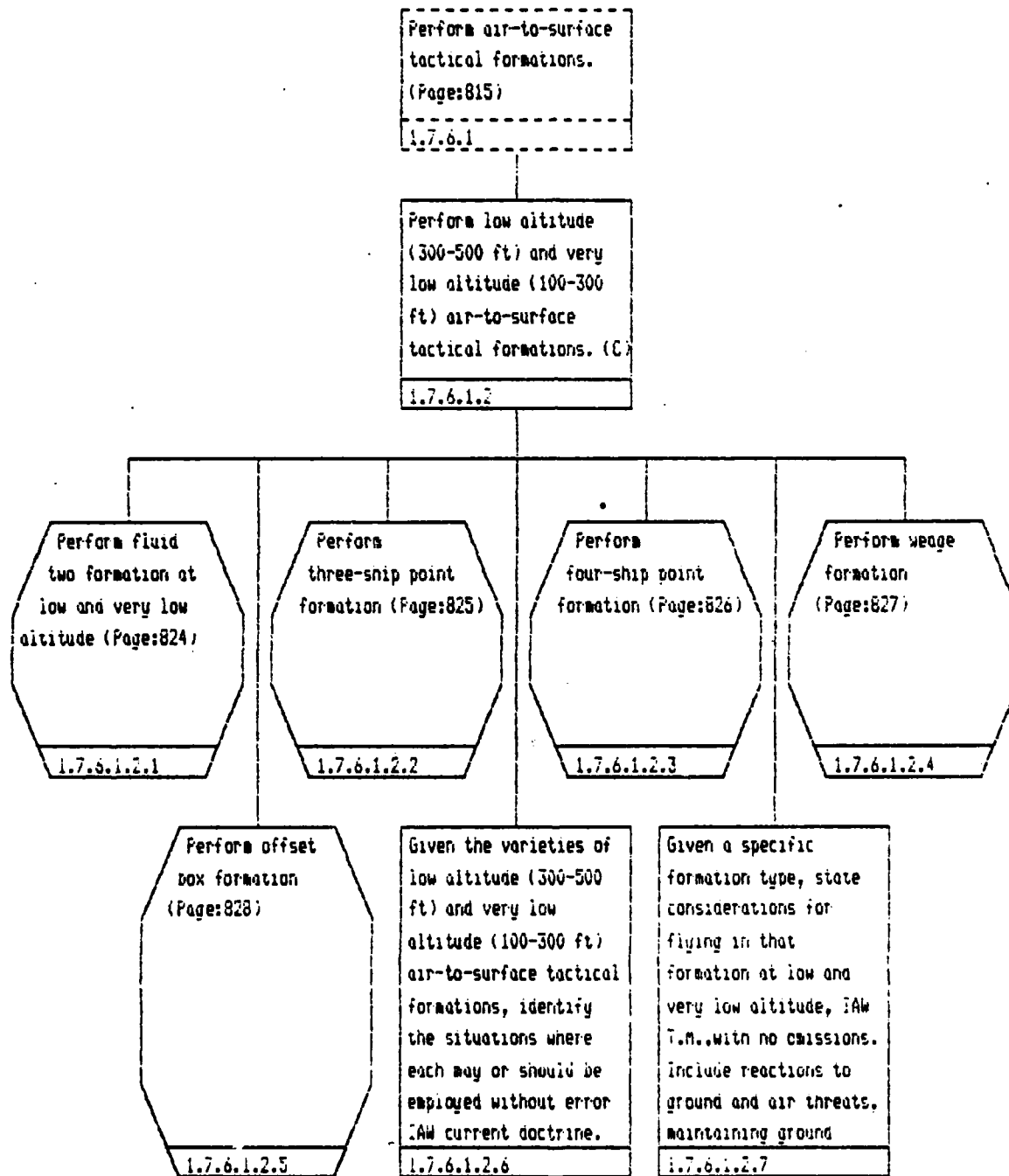
1.7.6.1.1.2.1











Perform low altitude  
(300-500 ft) and very  
low altitude (100-300  
ft) air-to-surface  
tactical formations.  
(C) (Page:823)

1.7.6.1.2

Perform fluid two  
formation at low and  
very low altitude

1.7.6.1.2.1

State the correct fore,  
aft and lateral  
position for flight  
members in a fluid two  
formation at low  
altitude and describe  
methods for maintaining  
position IAW current  
practices and TACH 3-1.

1.7.6.1.2.1.1

Describe visual  
cues/signals and  
procedures for comm out  
turns in a fluid two  
formation at low  
altitude IAW current  
practices and TACH 3-1.

1.7.6.1.2.1.2

Given a plane view of  
the fluid two  
formation, describe  
specific areas of  
lookout  
responsibilities and  
identify areas of  
highest vulnerability  
without omissions or  
errors.

1.7.6.1.2.1.3

Perform low altitude  
(300-500 ft) and very  
low altitude (100-300  
ft) air-to-surface  
tactical formations.  
(C) (Page:823)

1.7.6.1.2

Perform three-ship  
point formation

1.7.6.1.2.2

State the correct fore,  
aft and lateral  
position for flight  
members in a three-ship  
point formation at low  
altitude and describe  
methods for maintaining  
position IAW current  
practices and TACH 3-1.

(D)

1.7.6.1.2.2.1

Describe visual  
cues/signals and  
procedures for comm out  
turns in a three-ship  
point formation at low  
altitude IAW current  
practices and TACH 3-1.

1.7.6.1.2.2.2

State the  
responsibilities of  
each flight member in a  
three-ship point  
formation at low  
altitude to include  
lookout, navigation,  
and communication IAW  
current doctrine and  
TACH 3-1.

1.7.6.1.2.2.3

Given a plane view of  
the three-ship point  
formation, describe  
specific areas of  
lookout  
responsibilities and  
identify areas of  
highest vulnerability  
without omissions or  
errors.

1.7.6.1.2.2.4



Perform low altitude  
(300-500 ft) and very  
low altitude (100-300  
ft) air-to-surface  
tactical formations.  
(C) (Page:823)

1.7.6.1.2

Perform four-ship point  
formation

1.7.6.1.2.3

State the correct fore,  
aft and lateral  
position for flight  
members in a four-ship  
point formation at low  
altitude and describe  
methods for maintaining  
position IAW current  
practices and TACH 3-1.

1.7.6.1.2.3.1

Describe visual  
cues/signals and  
procedures for comm out  
turns in a three-ship  
point formation at low  
altitude IAW current  
practices and TACH 3-1.

1.7.6.1.2.3.2

State the  
responsibilities of  
each flight member in a  
three-ship point  
formation at low  
altitude to include  
lookout, navigation,  
and communication IAW  
current doctrine and  
TACH 3-1.

1.7.6.1.2.3.3

Given a plane view of  
the four-ship point  
formation, describe  
specific areas of  
lookout  
responsibilities and  
identify areas of  
highest vulnerability  
without omissions or  
errors.

1.7.6.1.2.3.4

Perform low altitude  
(300-500 ft) and very  
low altitude (100-300  
ft) air-to-surface  
tactical formations.  
(C) (Page:823)  
1.7.6.1.2

Perform wedge formation  
1.7.6.1.2.4

State the correct fore,  
aft, and lateral  
position for flight  
members in a wedge  
formation at low  
altitude and describe  
methods for maintaining  
position IAW current  
practices and TACH 3-1.  
(D)  
1.7.6.1.2.4.1

Describe visual  
cues/signals and  
procedures for comm out  
turns in a wedge  
formation at low  
altitude IAW current  
practices and TACH 3-1.  
1.7.6.1.2.4.2

State the  
responsibilities of  
each flight member in a  
wedge formation at low  
altitude to include  
lookout, navigation,  
and communication IAW  
current doctrine and  
TACH 3-1.  
1.7.6.1.2.4.3

Given a plane view of  
the wedge formation,  
describe specific areas  
of lookout  
responsibilities and  
identify areas of  
highest vulnerability  
without omissions or  
errors.  
1.7.6.1.2.4.4

Perform low altitude  
(300-500 ft) and very  
low altitude (100-300  
ft) air-to-surface  
tactical formations.  
(C) (Page:823)

1.7.6.1.2

Perform offset box  
formation

1.7.6.1.2.5

State the correct fore,  
aft and lateral  
position for flight  
members in a box/offset  
box formation at low  
altitude and describe  
methods for maintaining  
position IAW current  
practices and TACH 3-1.  
(D)

1.7.6.1.2.5.1

Describe visual  
cues/signals and  
procedures for com-  
out turns in a  
box/offset box  
formation at low  
altitude IAW current  
practices and TACH 3-1.  
(Page:829)

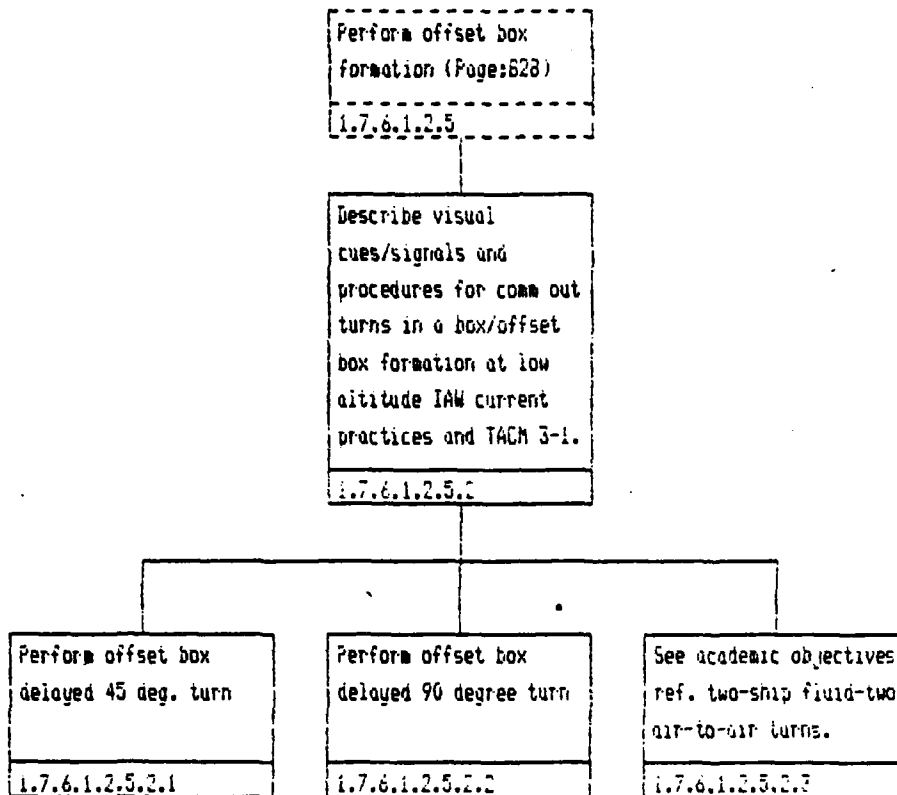
1.7.6.1.2.5.2

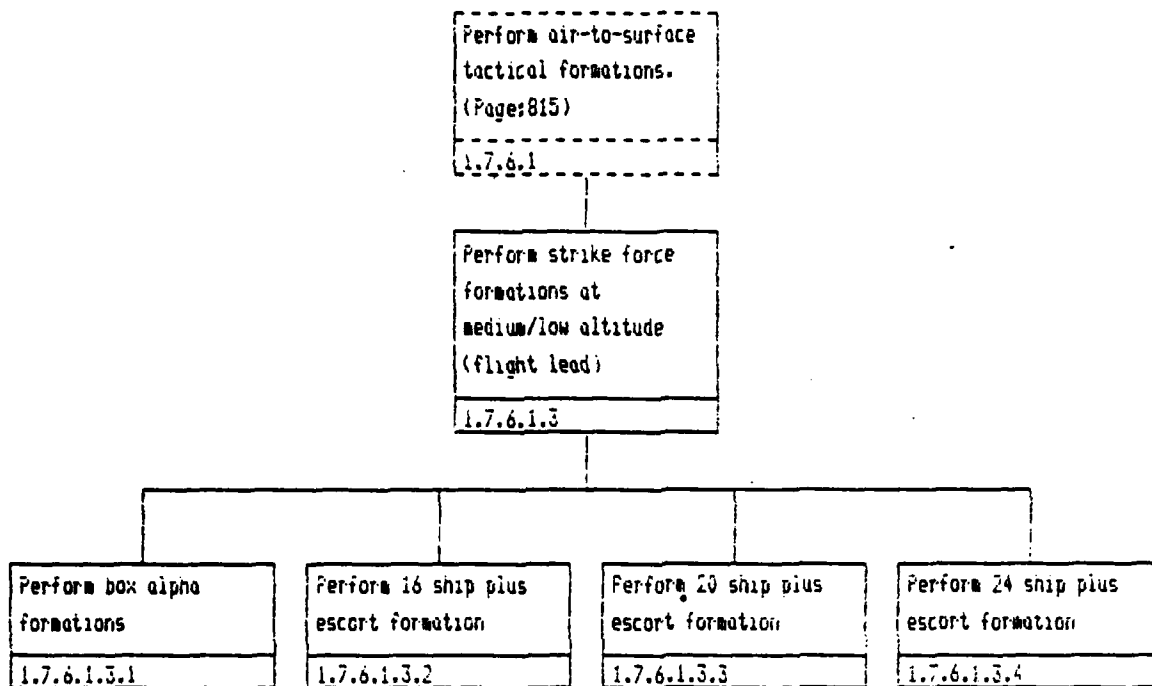
State the  
responsibilities of  
each flight member in a  
box/offset box  
formation at low  
altitude to include  
lookout, navigation,  
and communication IAW  
current doctrine and  
TACH 3-1.

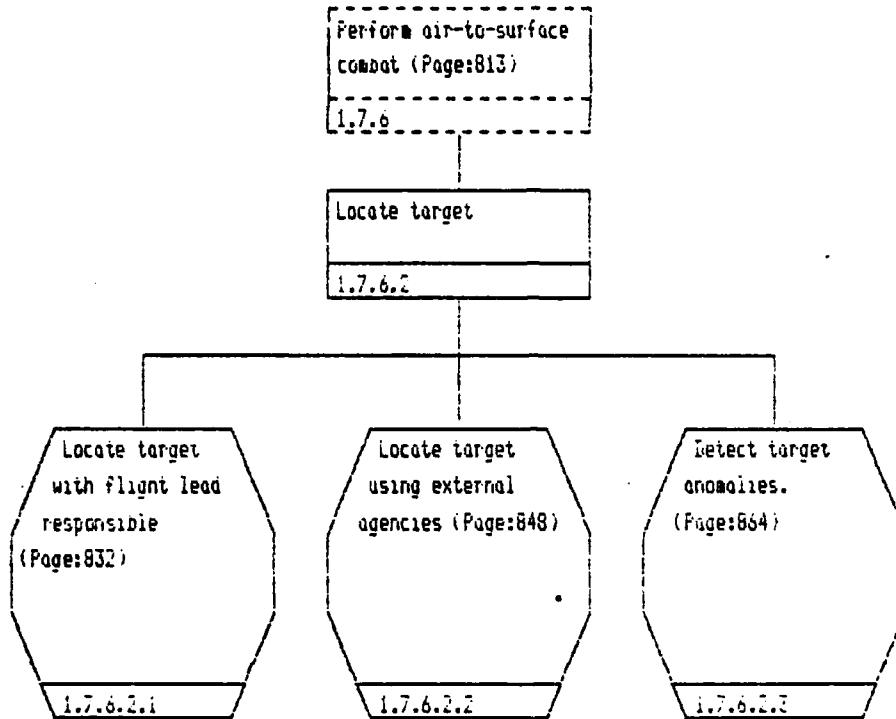
1.7.6.1.2.5.3

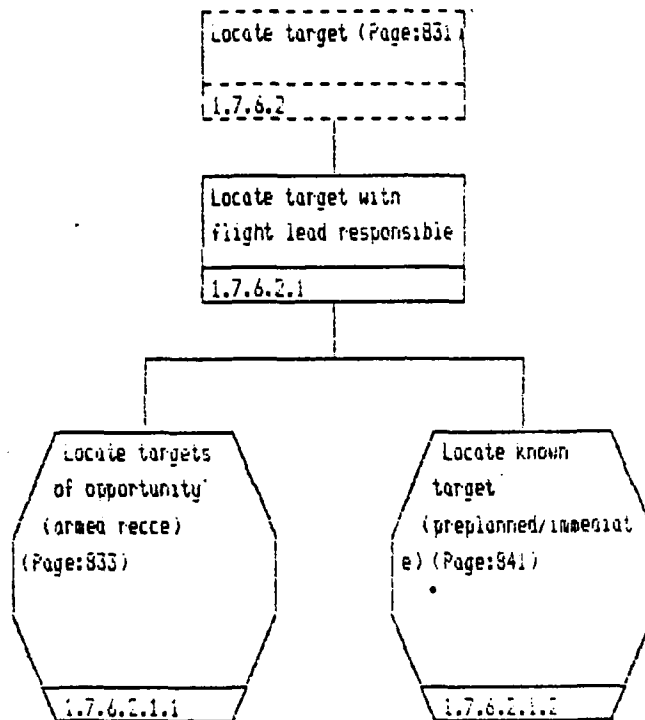
Given a plane view of  
the box/offset box  
formation, describe  
specific areas of  
lookout  
responsibilities and  
identify areas of  
highest vulnerability  
without omissions or  
errors.

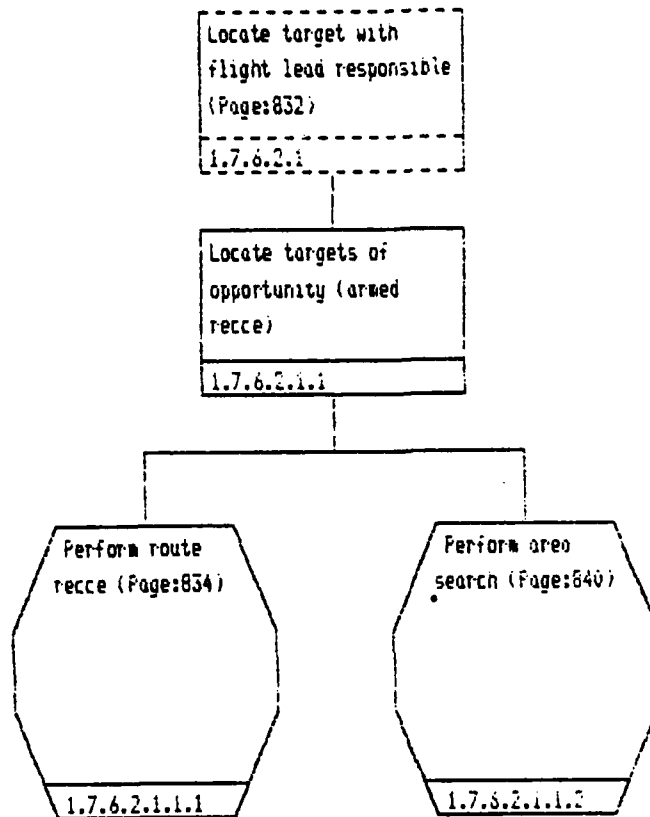
1.7.6.1.2.5.4



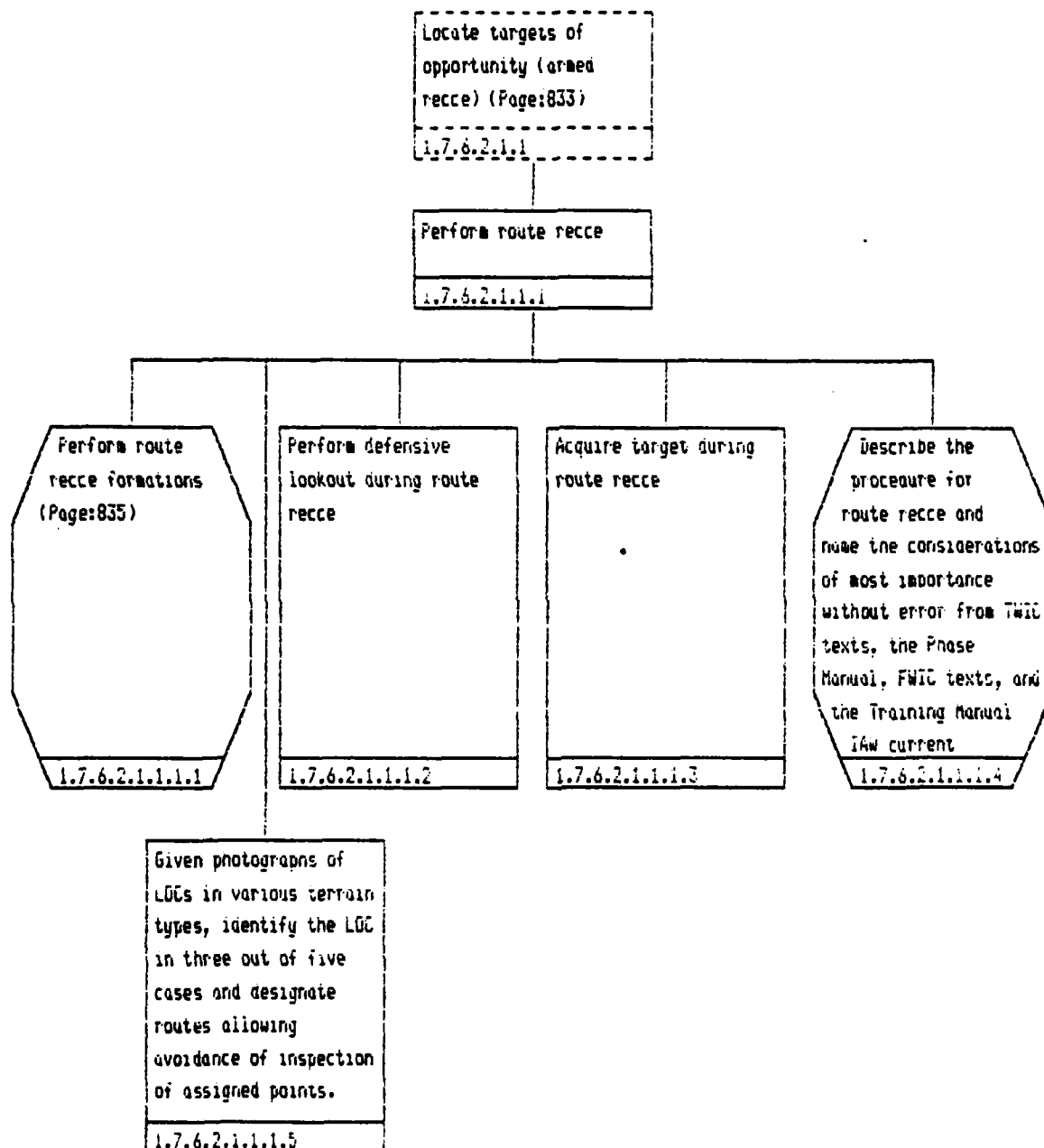


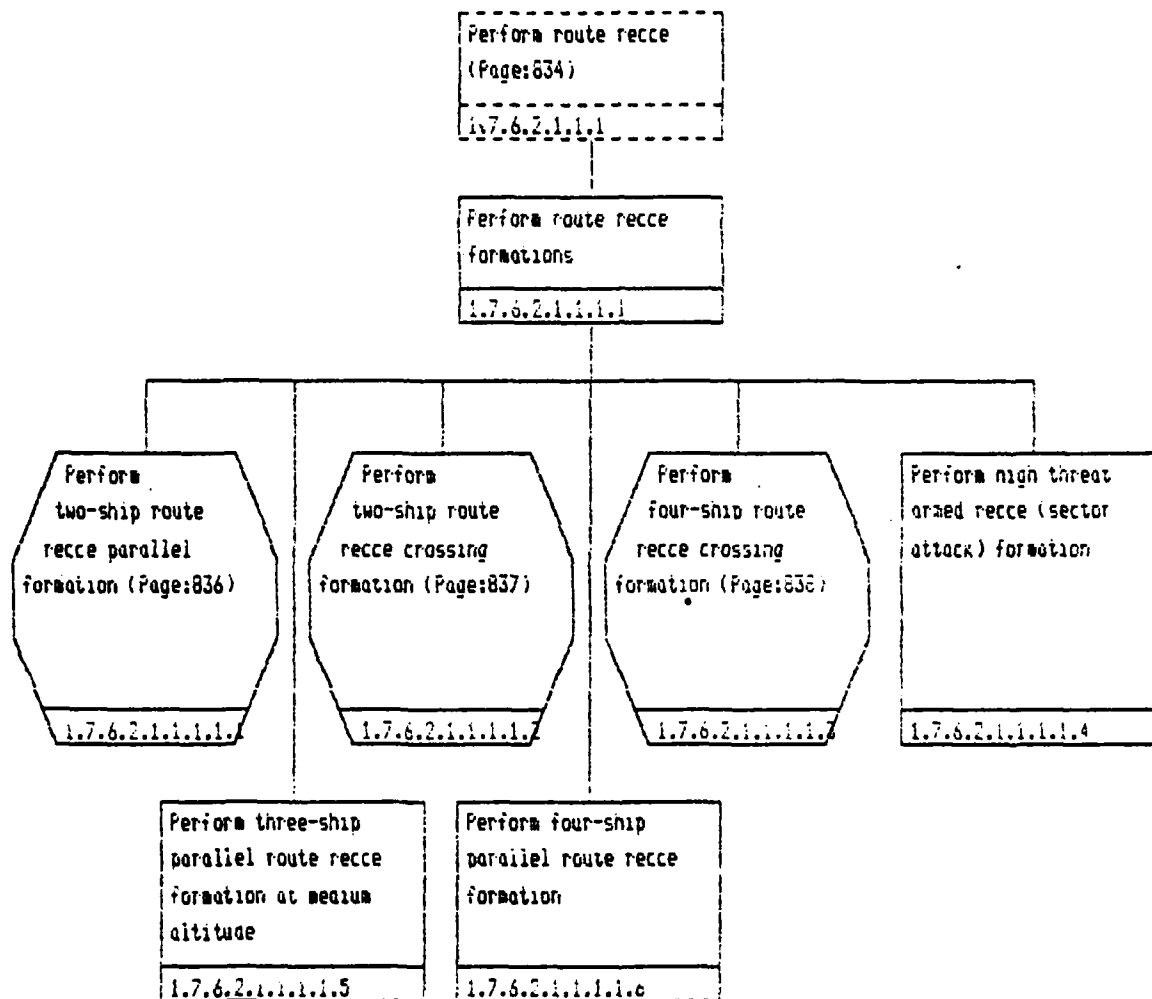


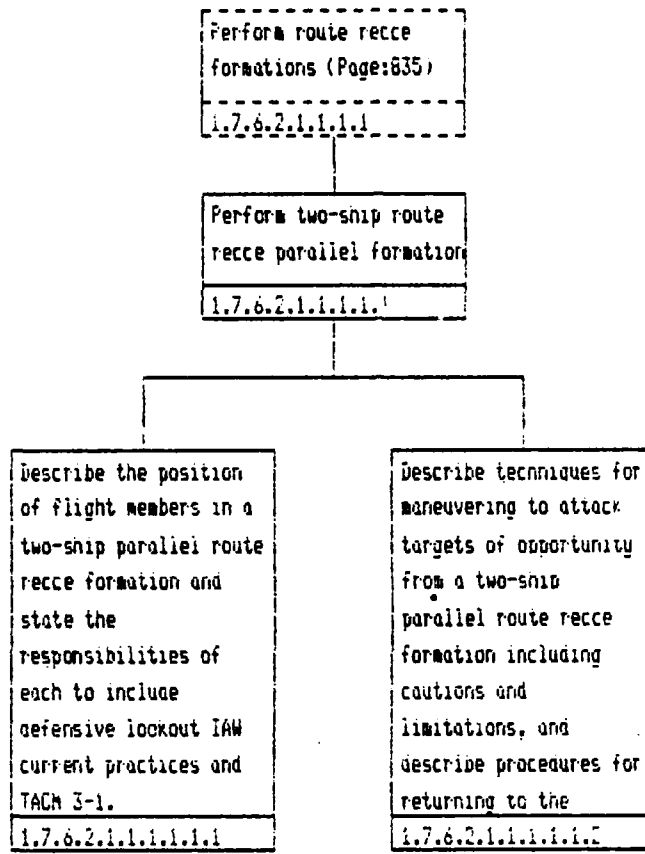


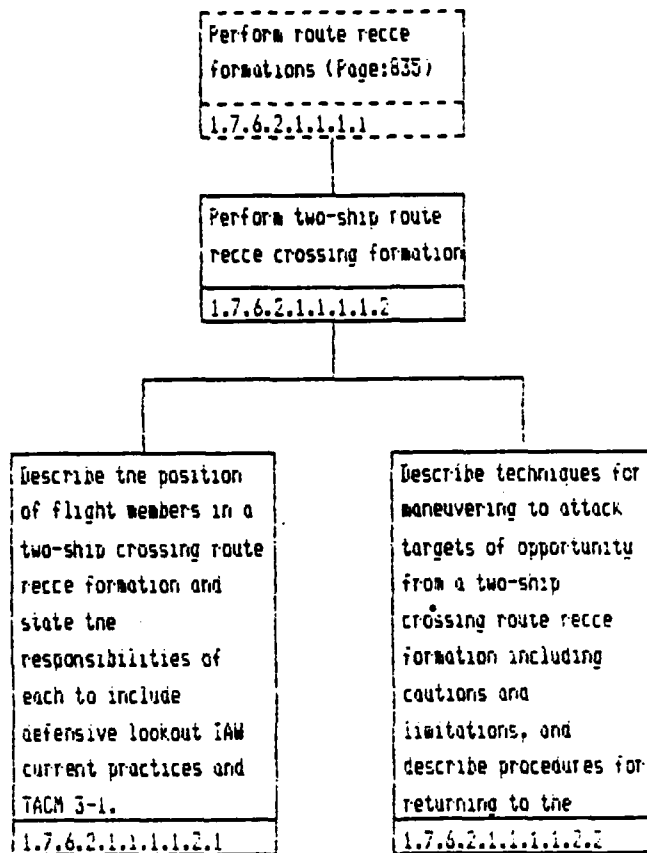


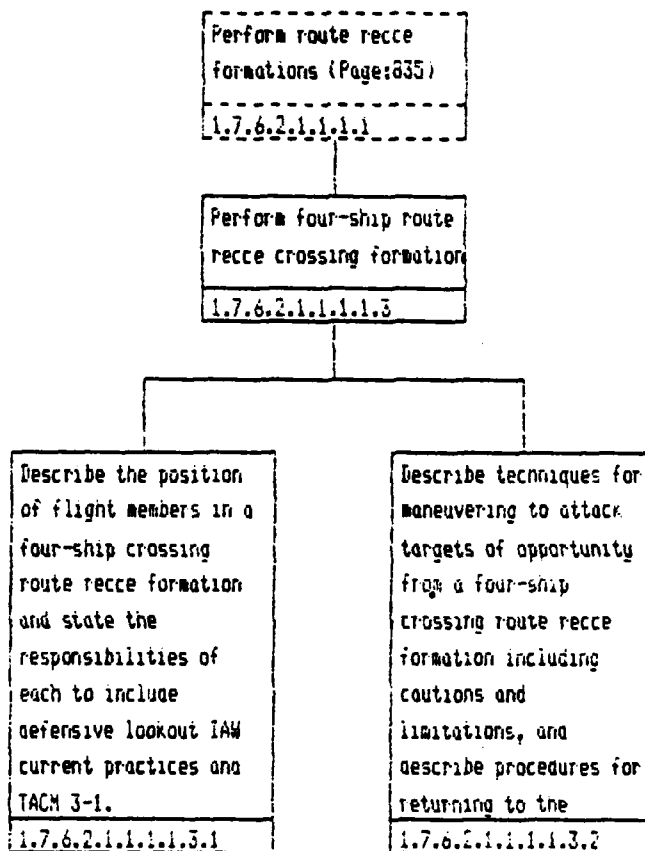












Perform route recce  
(Page: 834)

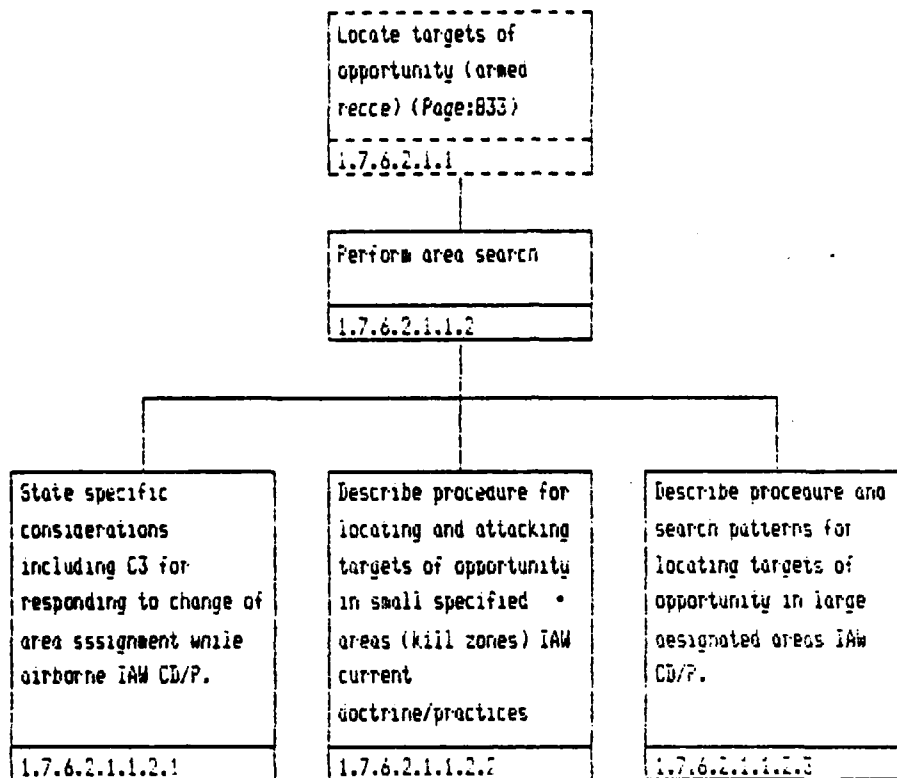
1.7.6.2.1.1.1

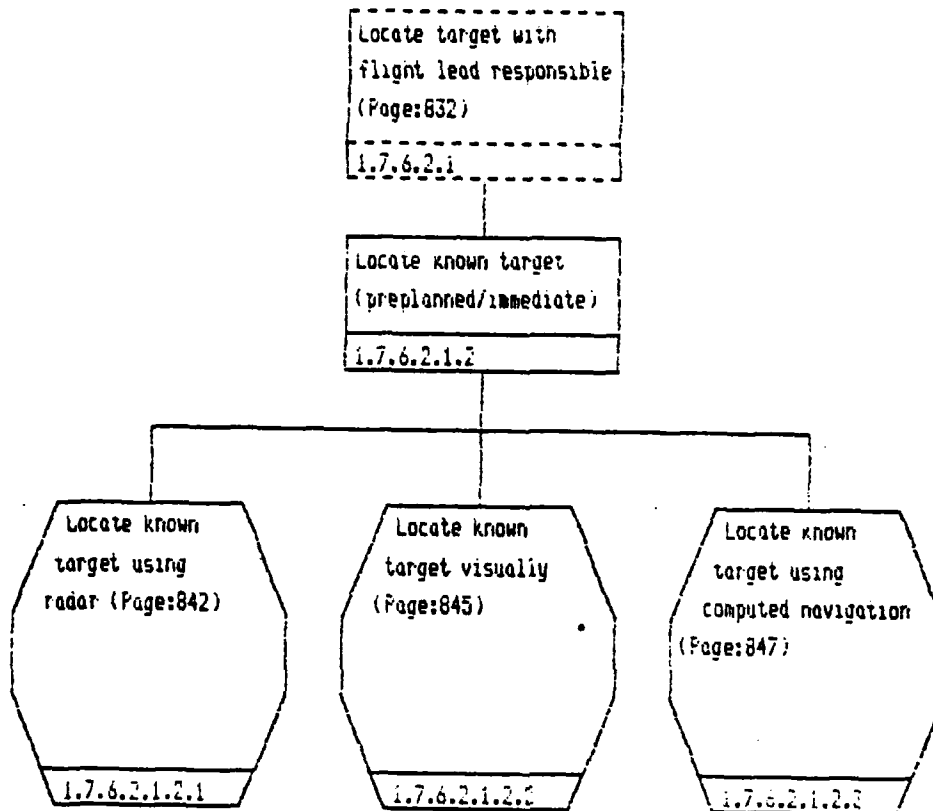
Describe the procedure  
for route recce and  
name the considerations  
of most importance  
without error from TWIC  
texts, the Phase  
Manual, FWIC texts, and  
the Training Manual IAW  
current doctrine and  
TACH 3-1.

1.7.6.2.1.1.1.4

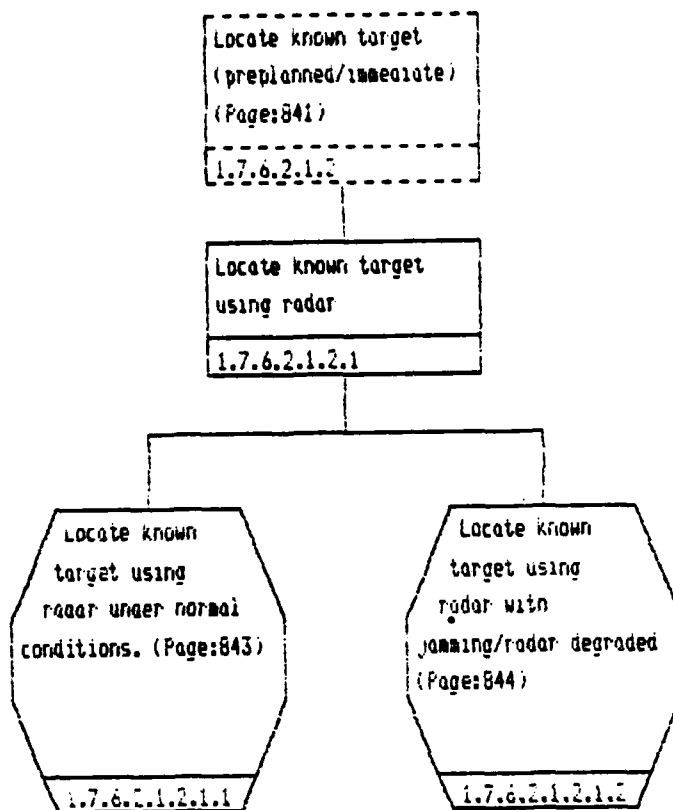
Describe the major  
considerations for  
communicating target  
data to other flight  
member(s)

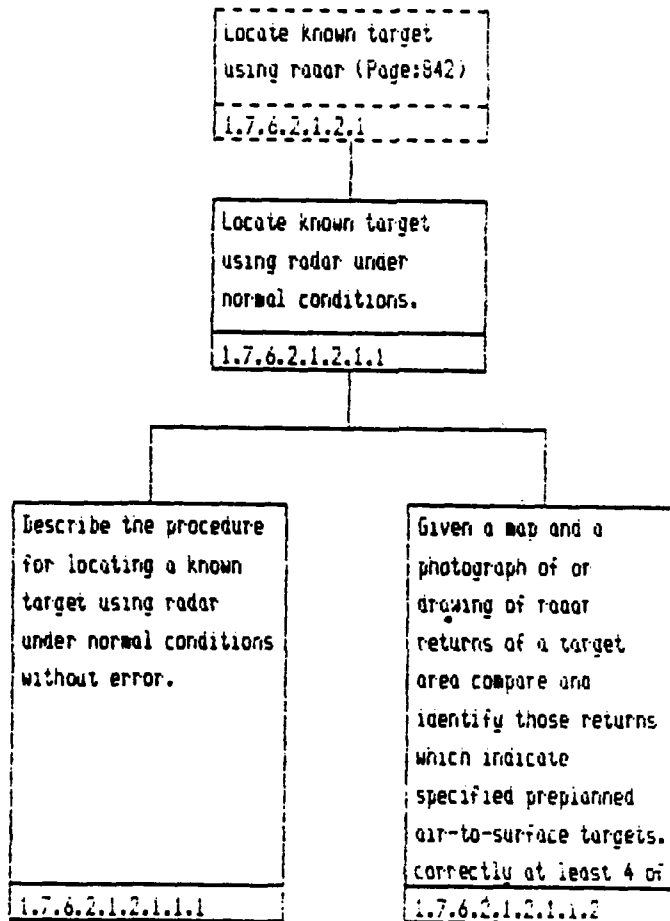
1.7.6.2.1.1.1.4.1

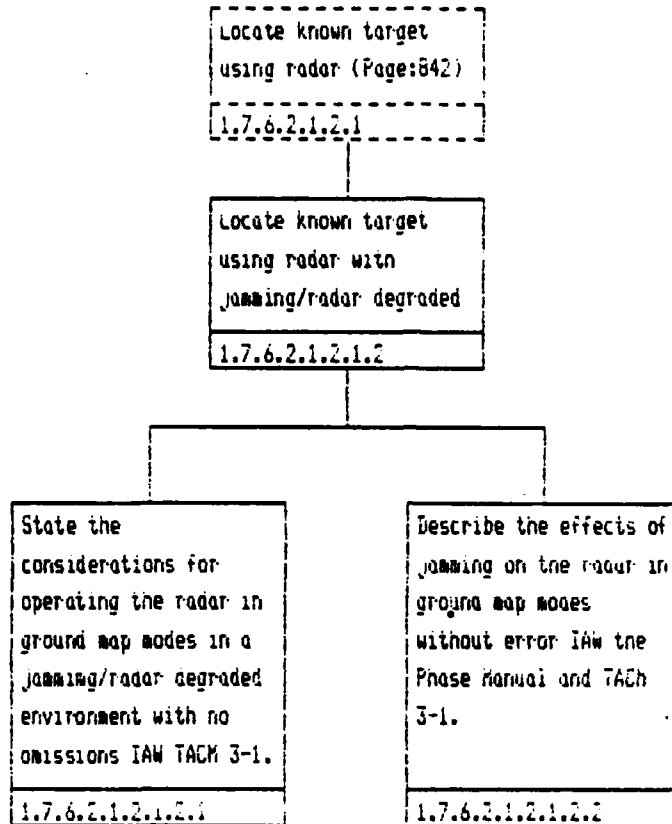


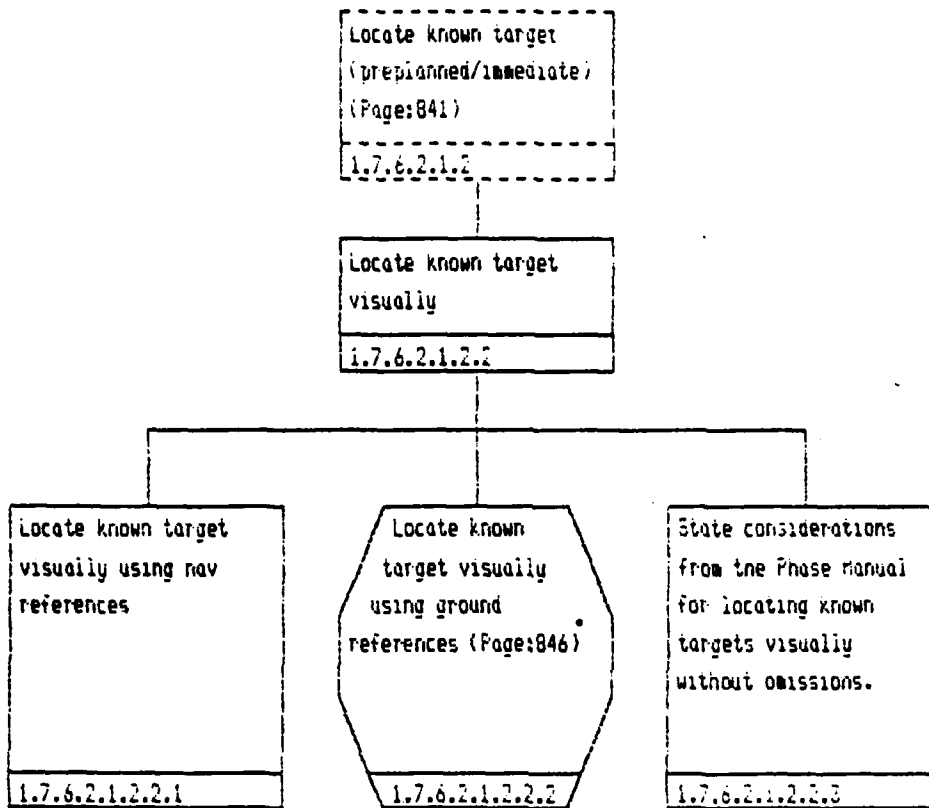












Locate known target  
visually (Page:845)

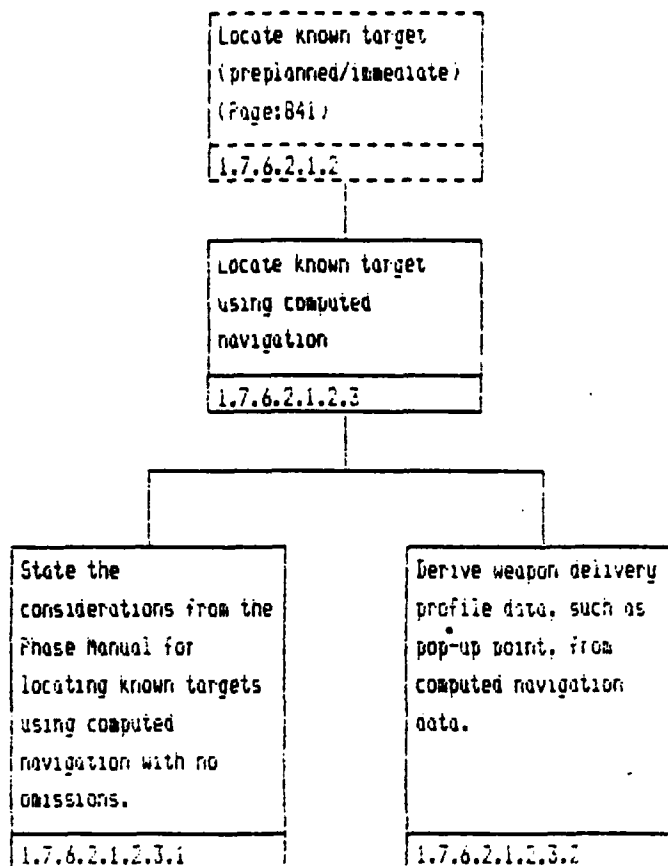
1.7.6.2.1.2.2

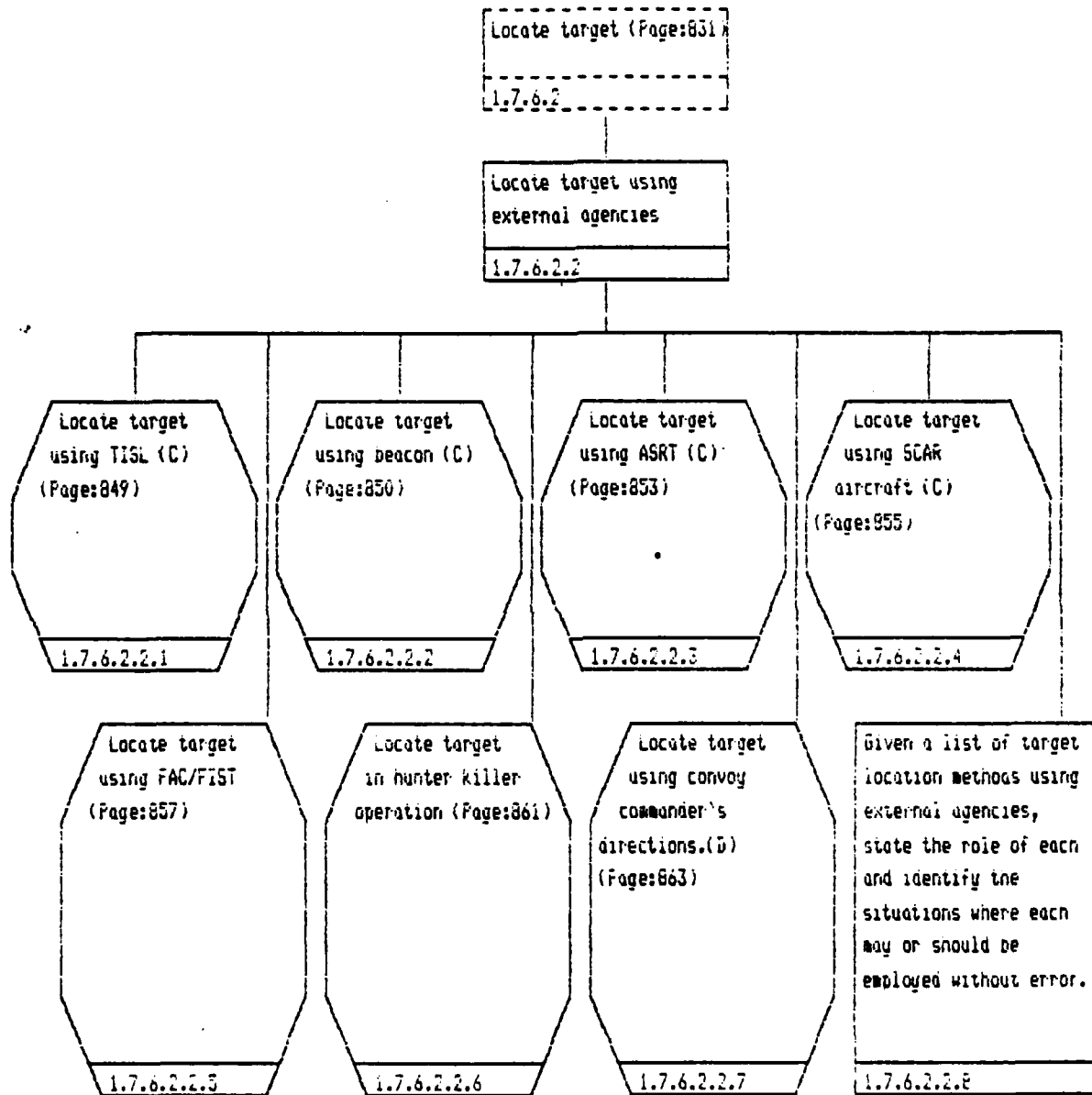
Locate known target  
visually using ground  
references

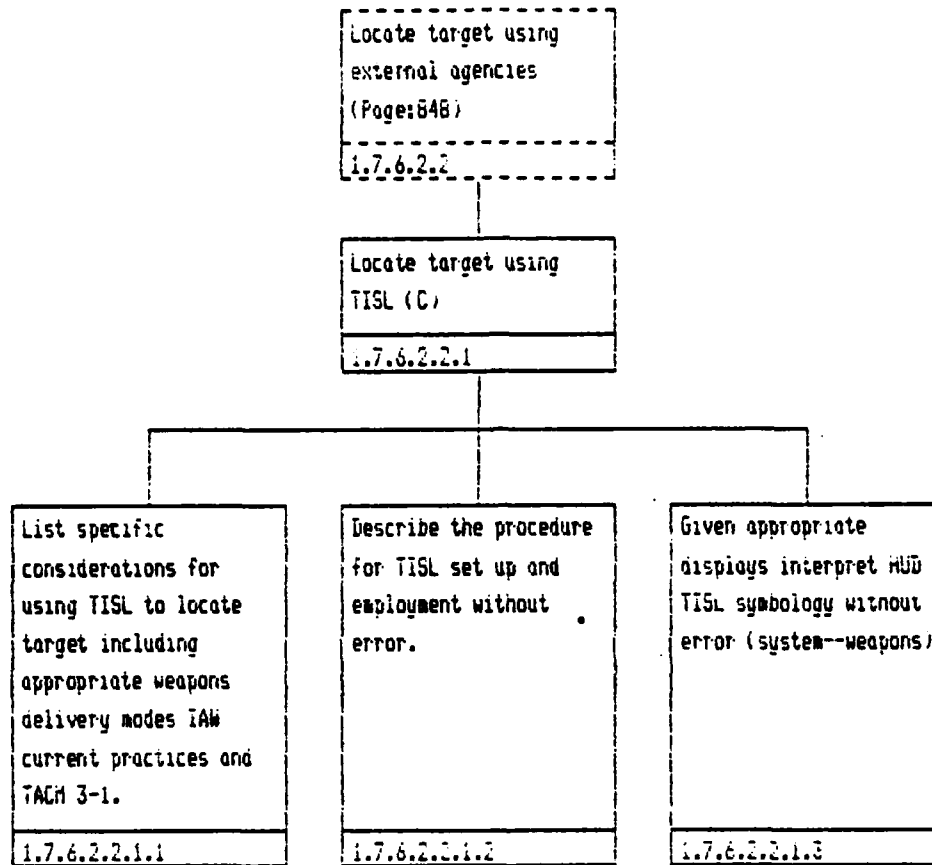
1.7.6.2.1.2.2.1

Describe the major  
factors involved in  
premission planning  
such as photos,  
sketches, sun angle,  
attack heading, and  
target physical  
characteristics to aid  
in visual target  
acquisition.

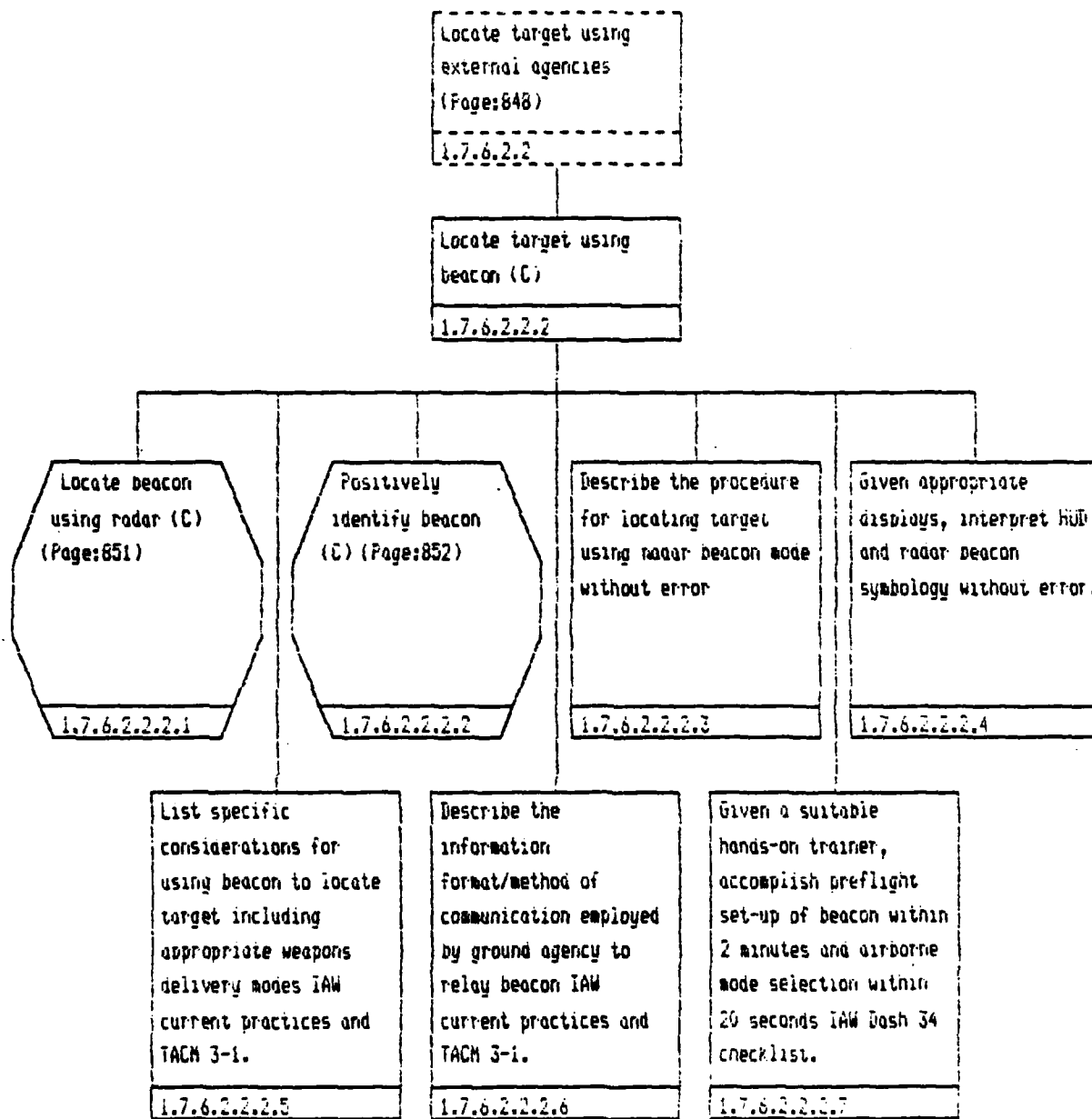
1.7.6.2.1.2.2.2.1











Locate target using  
beacon (C) (Page:850)

1.7.6.2.2.2

Locate beacon using  
radar (C)

1.7.6.2.2.2.1

State special  
considerations for  
acquiring a beacon  
return to include •  
terrain masking, range,  
and effects of low  
altitude.

1.7.6.2.2.2.1.1

Locate target using  
beacon (C) (Page:850)

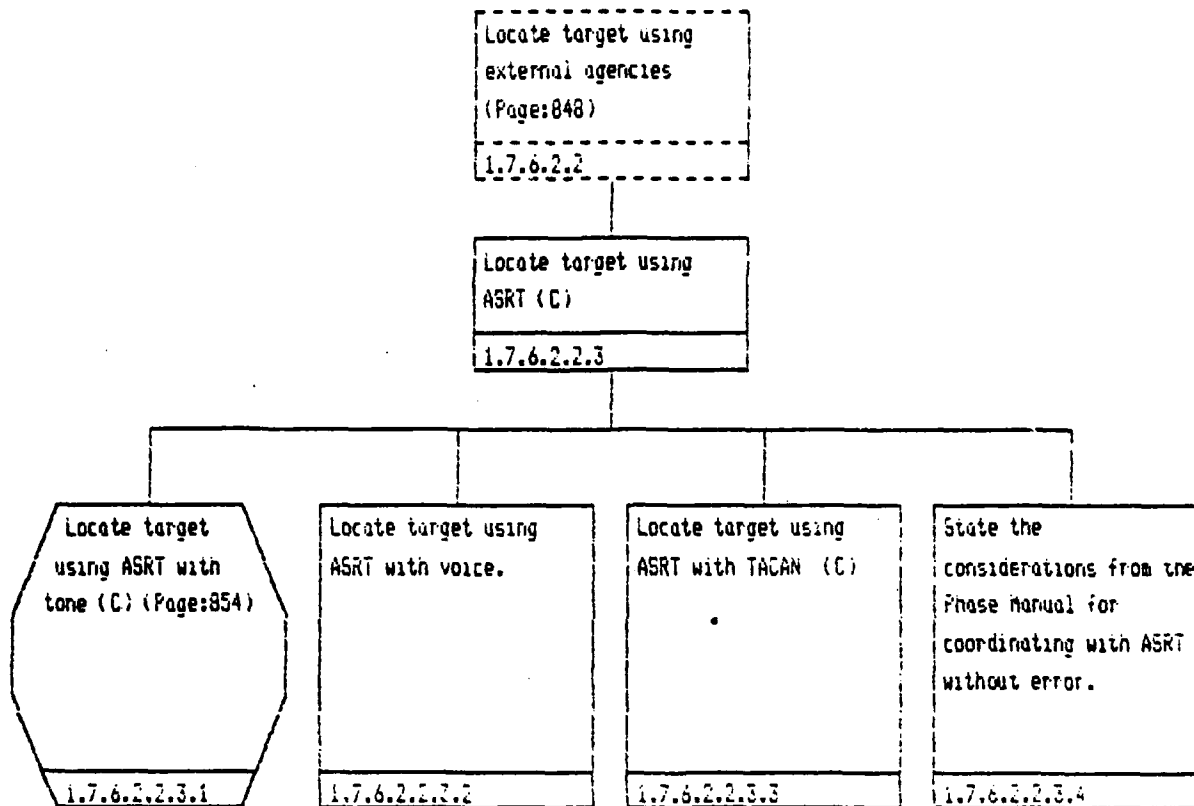
1.7.6.2.2.2

Positively identify  
beacon (C)

1.7.6.2.2.2.2

Given an REG beacon  
presentation, correctly  
identify the beacon  
code displayed 100 .  
percent of the time.

1.7.6.2.2.2.2.1



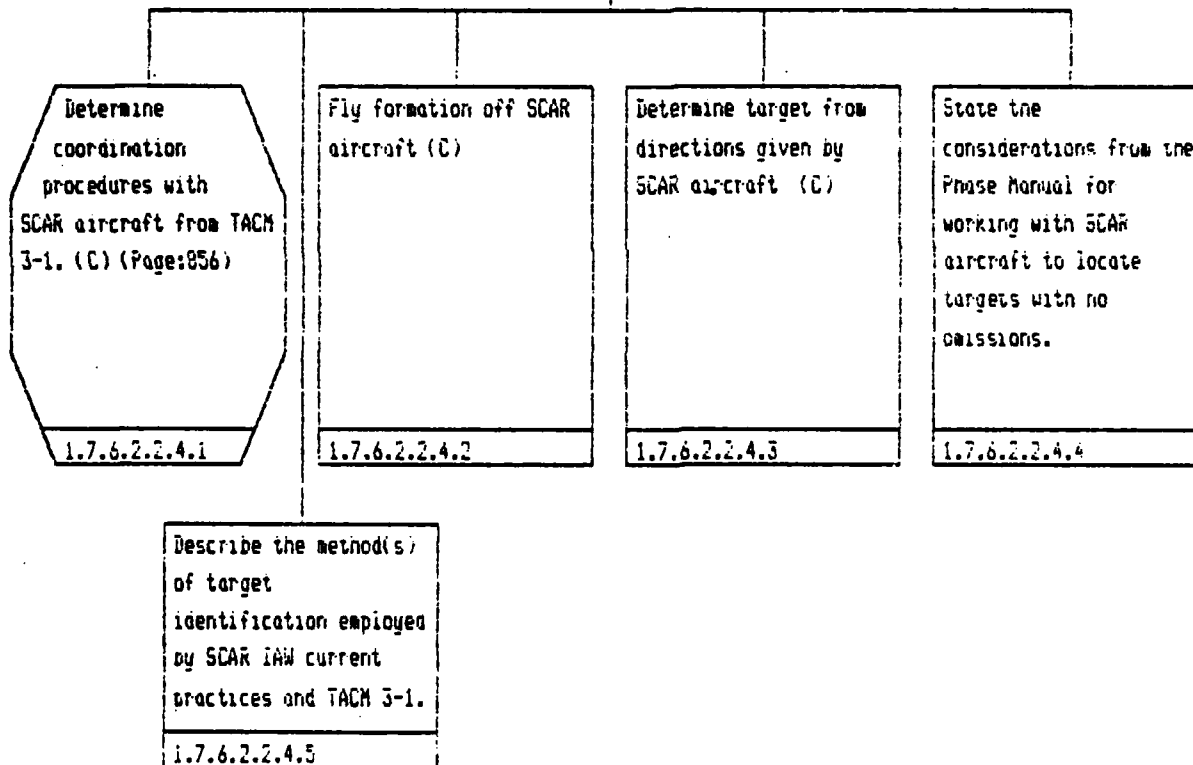
Locate target using  
ASRT (C) (Page:853)  
1.7.6.2.2.3

Locate target using  
ASRT with tone (C)  
1.7.6.2.2.3.1

Given recordings of  
various ASRT tones,  
describe your  
appropriate reactions  
without error.  
1.7.6.2.2.3.1.1

Locate target using  
external agencies  
(Page:848)  
1.7.6.2.2

Locate target using  
SCAR aircraft (C)  
1.7.6.2.2.4



Locate target using  
SCAR aircraft (C)  
(Page:855)

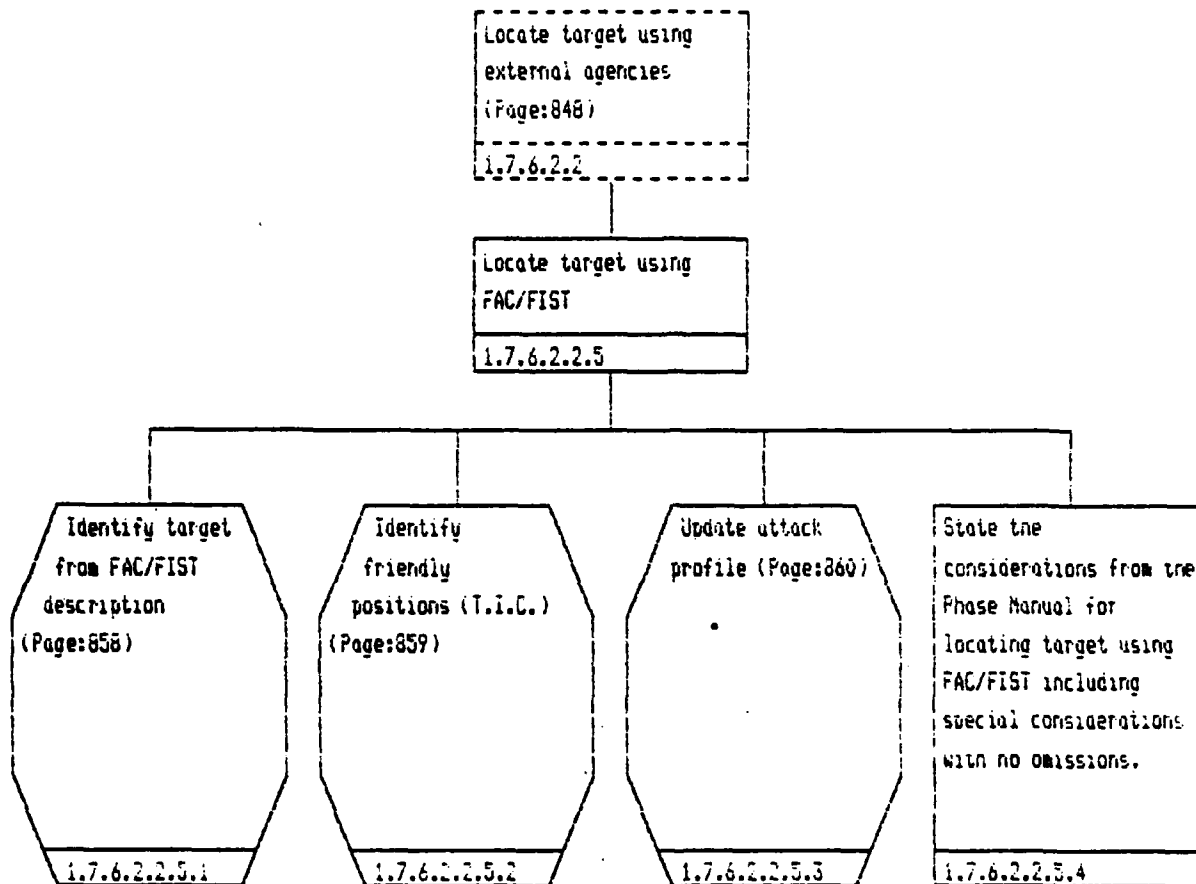
1.7.6.2.2.4

Determine coordination  
procedures with SCAR  
aircraft from TACH 3-1.  
(C)

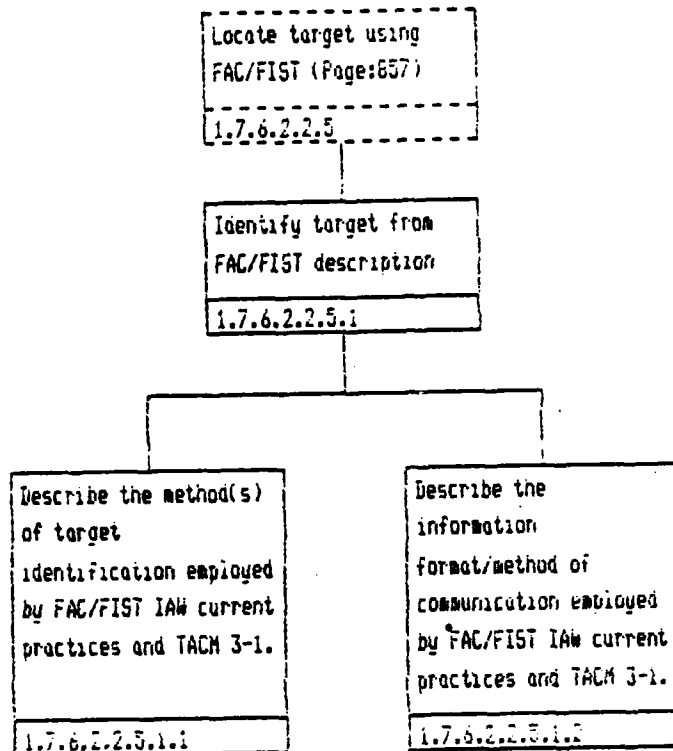
1.7.6.2.2.4.1

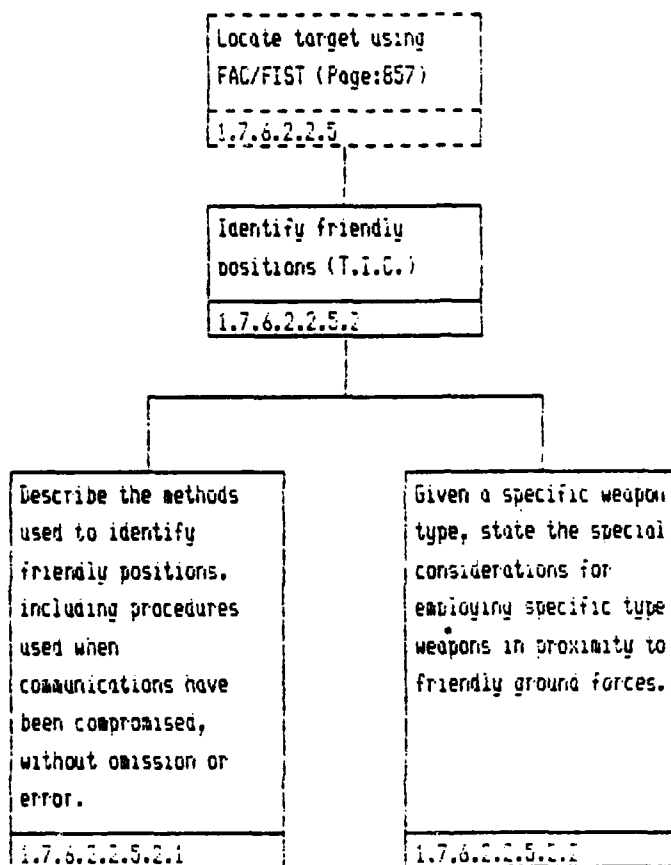
Describe the  
information  
format/method of  
communication employed  
by SCAR IAW current  
practices and TACH 3-1.

1.7.6.2.2.4.1.1









Locate target using  
FAC/FIST (Page:857)

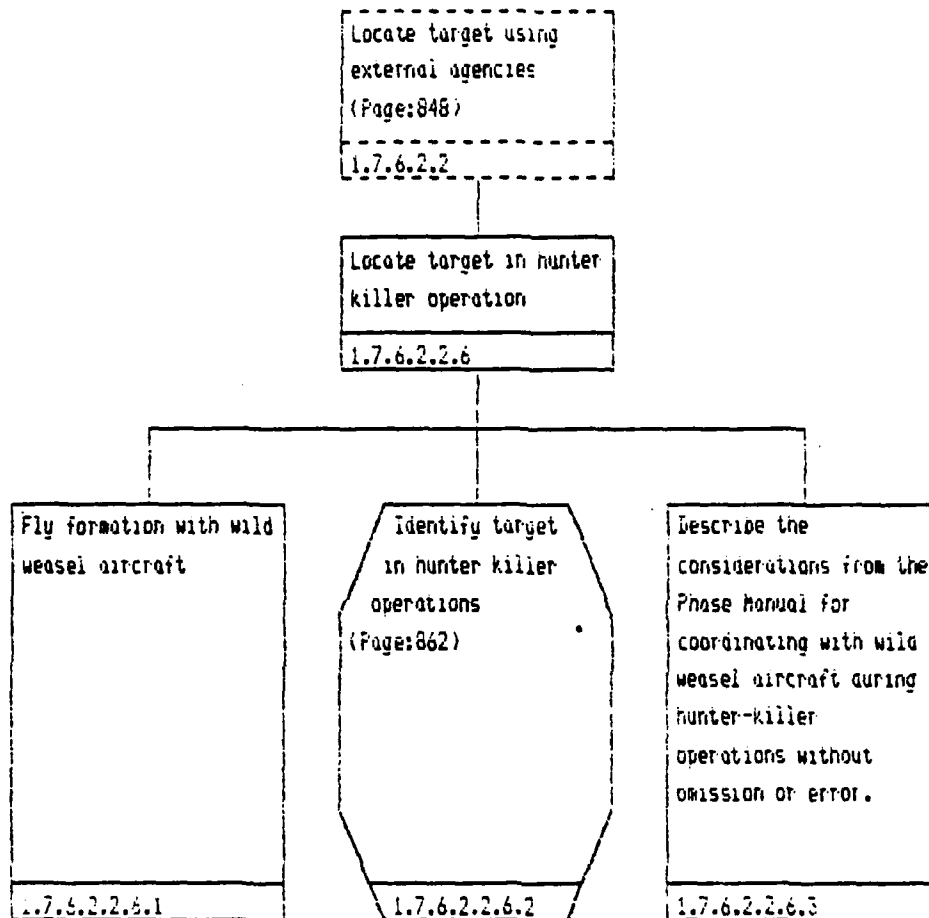
1.7.6.2.2.5

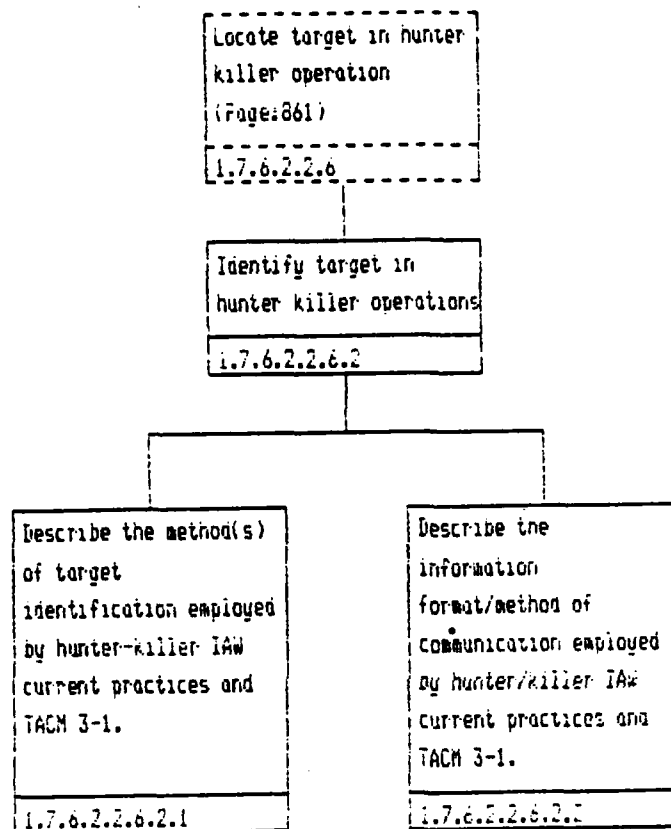
Update attack profile

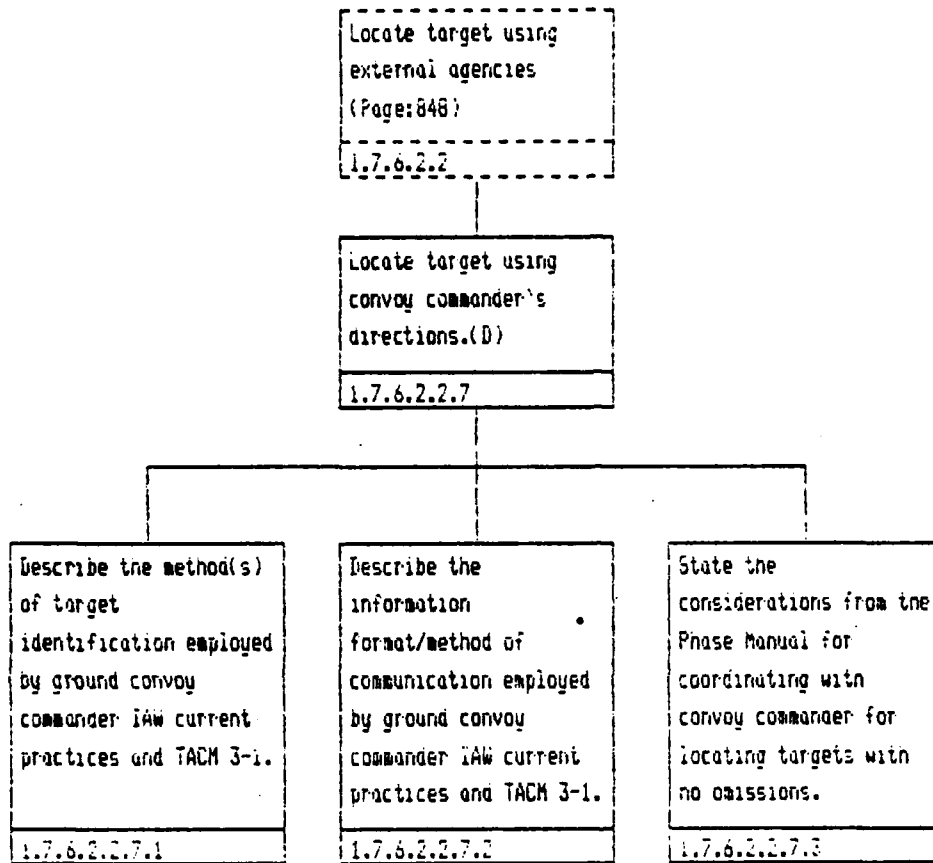
1.7.6.2.2.5.3

Describe various  
methods used by  
controllers to adjust  
weapon aim points  
between flight members,  
including distance and  
direction reference  
methods, without  
omission or error.

1.7.6.2.2.5.3.1







Locate target (Page:831)

1.7.6.2

Detect target anomalies.

1.7.6.2.3

Detect camouflaged  
targets.

1.7.6.2.3.1

Detect mock targets. (C)

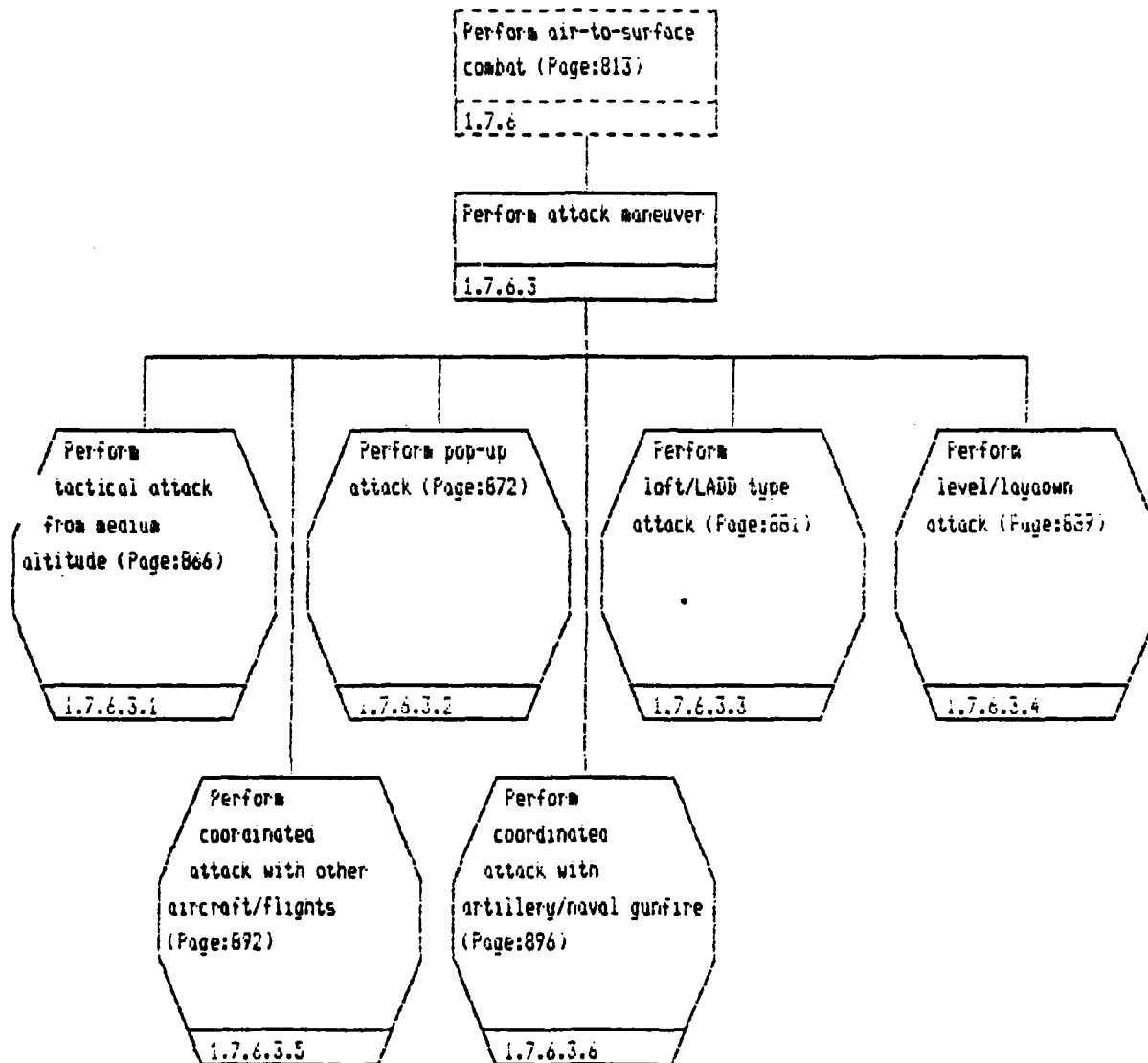
1.7.6.2.3.2

Detect decoy targets  
(C)

1.7.6.2.3.3

State the effect of  
camouflage and decoy  
targets on target  
acquisition.

1.7.6.2.3.4

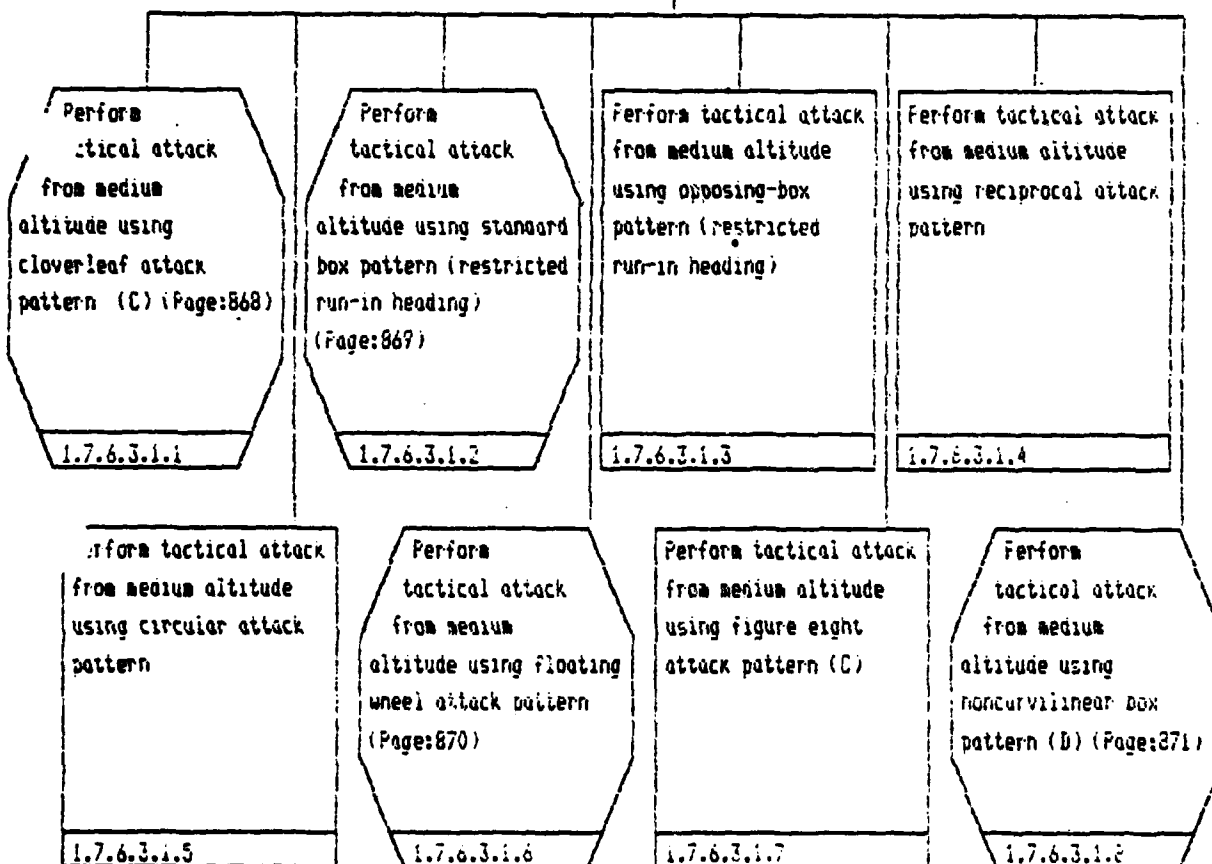




Continued on page: 867

Perform attack maneuver  
(Page:865)  
1.7.6.3

Perform tactical attack  
from medium altitude  
1.7.6.3.1



Continued from page: 866

Perform attack maneuver  
(Page:865)

1.7.6.3

Perform tactical attack  
from medium altitude

1.7.6.3.1

Given a list of medium  
altitude attack  
patterns and a tactical  
scenario, identify the  
pattern(s) appropriate  
to that scenario  
without error.

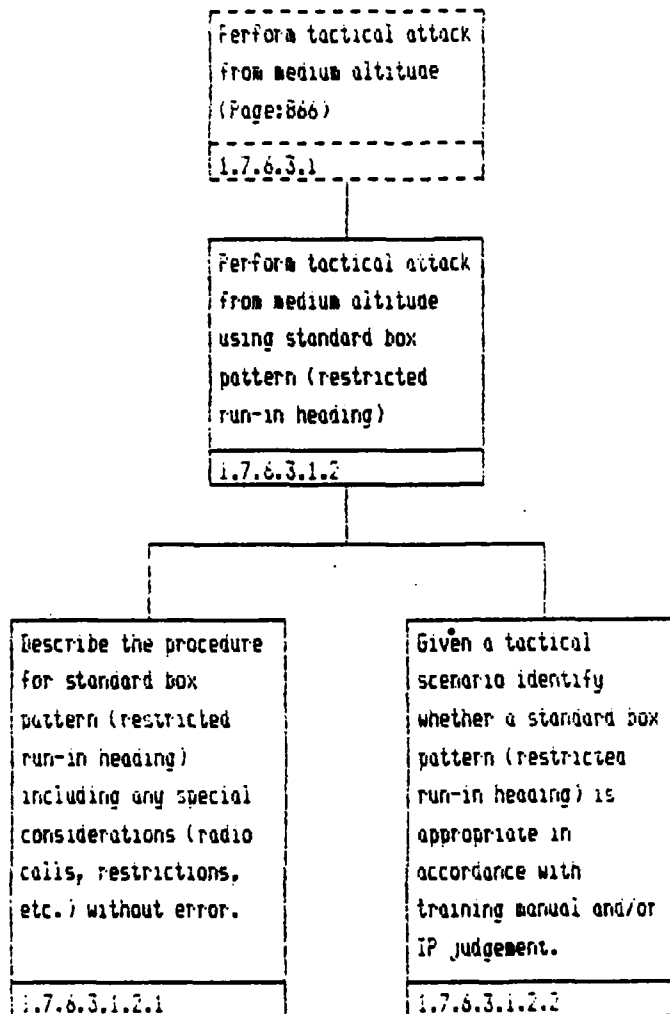
1.7.6.3.1.5

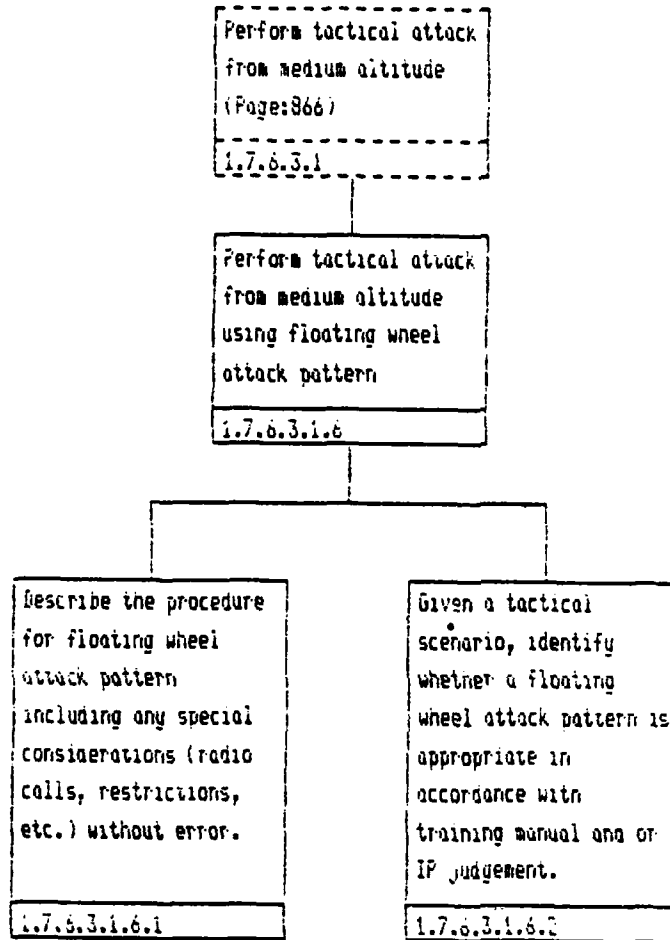
Perform tactical attack  
from medium altitude  
(Page:866)  
1.7.6.3.1

Perform tactical attack  
from medium altitude  
using cloverleaf attack  
pattern (C)  
1.7.6.3.1.1

Describe the procedure  
for cloverleaf attack  
pattern including any  
special considerations  
(radio calls,  
restrictions, etc.)  
without error.  
1.7.6.3.1.1.1

Given a tactical  
scenario, identify  
whether a cloverleaf  
attack pattern is  
appropriate in  
accordance with  
training manual and/or  
IP judgement.  
1.7.6.3.1.1.2





Perform tactical attack  
from medium altitude  
(Page:866)

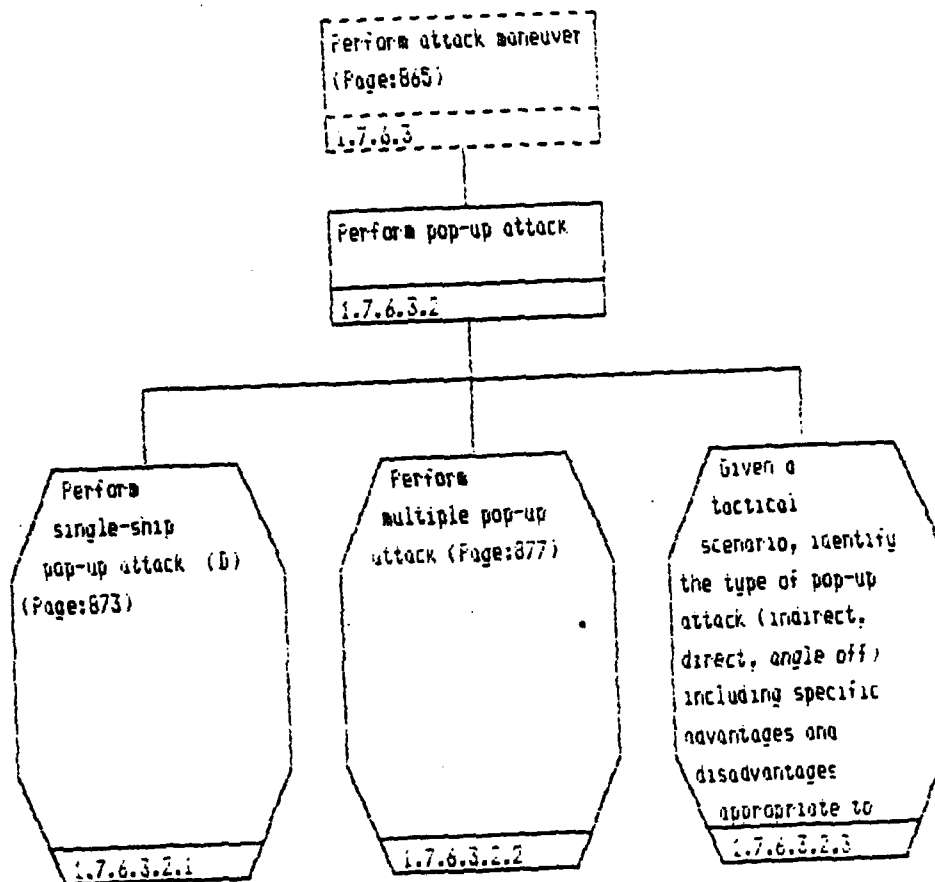
1.7.6.3.1

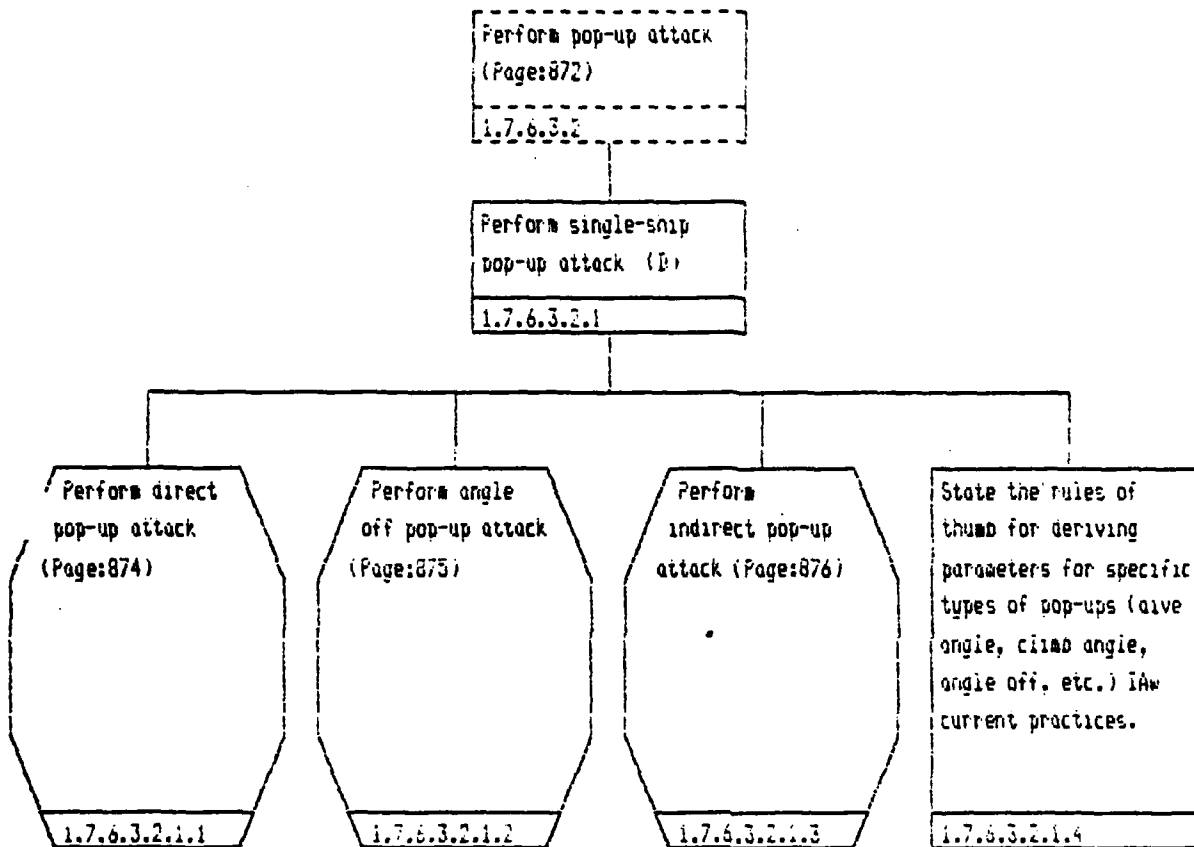
Perform tactical attack  
from medium altitude  
using noncurvilinear  
box pattern (D)

1.7.6.3.1.8

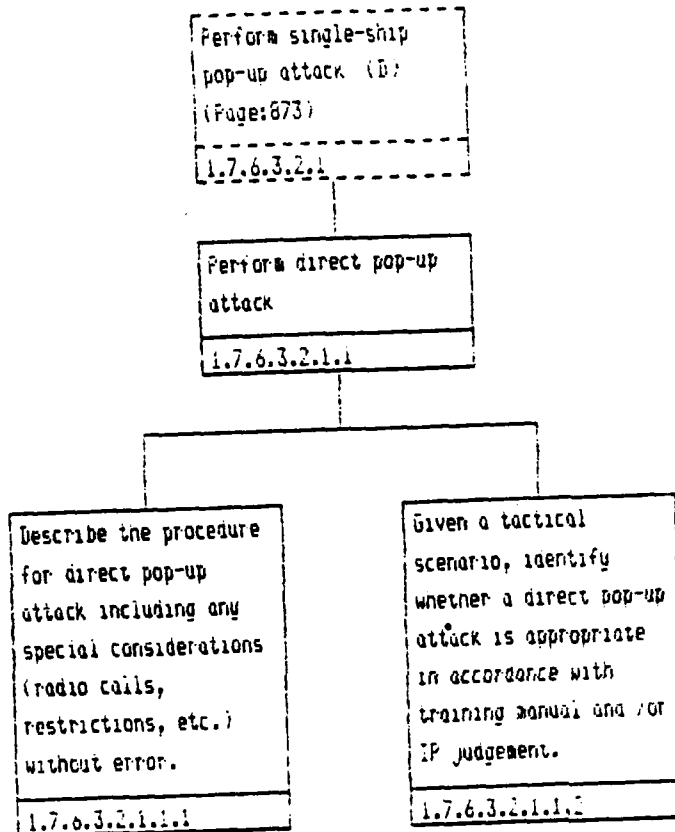
Describe the procedure  
for noncurvilinear box  
pattern (T) including  
any special  
considerations (radio  
calls, restrictions,  
etc.) without error.

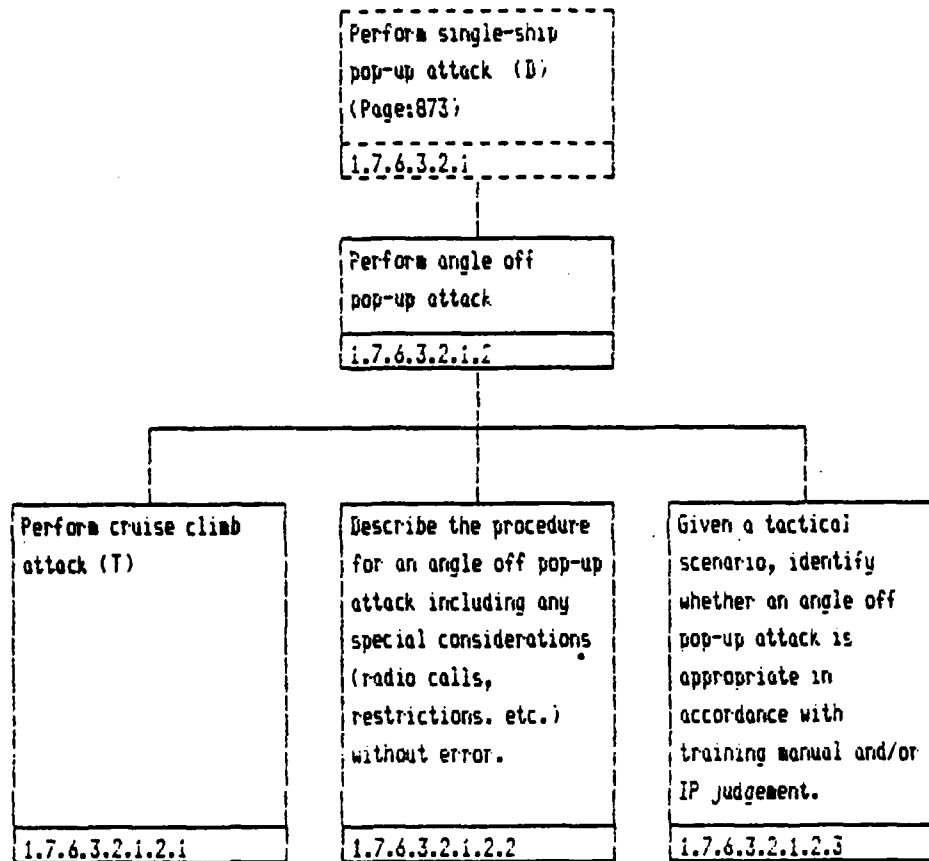
1.7.6.3.1.8.1

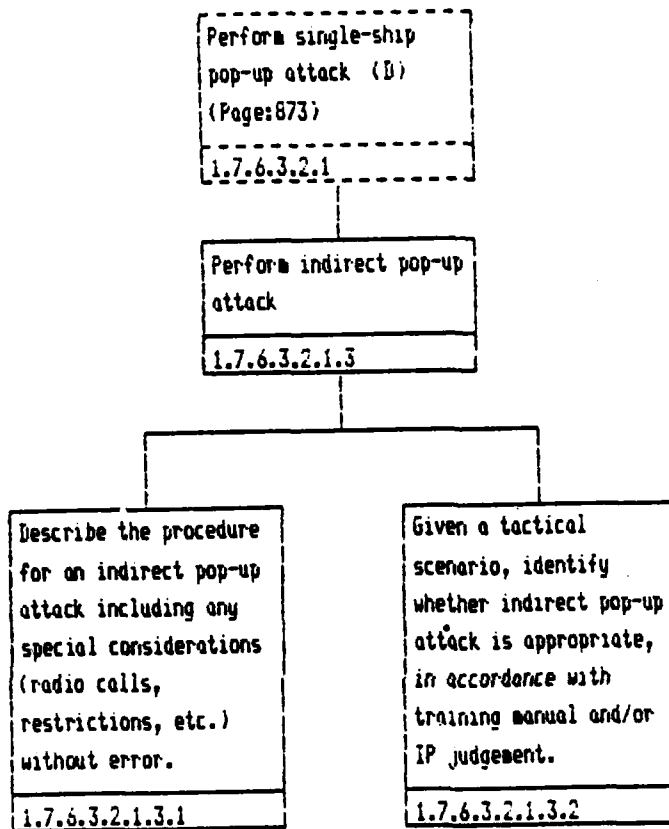


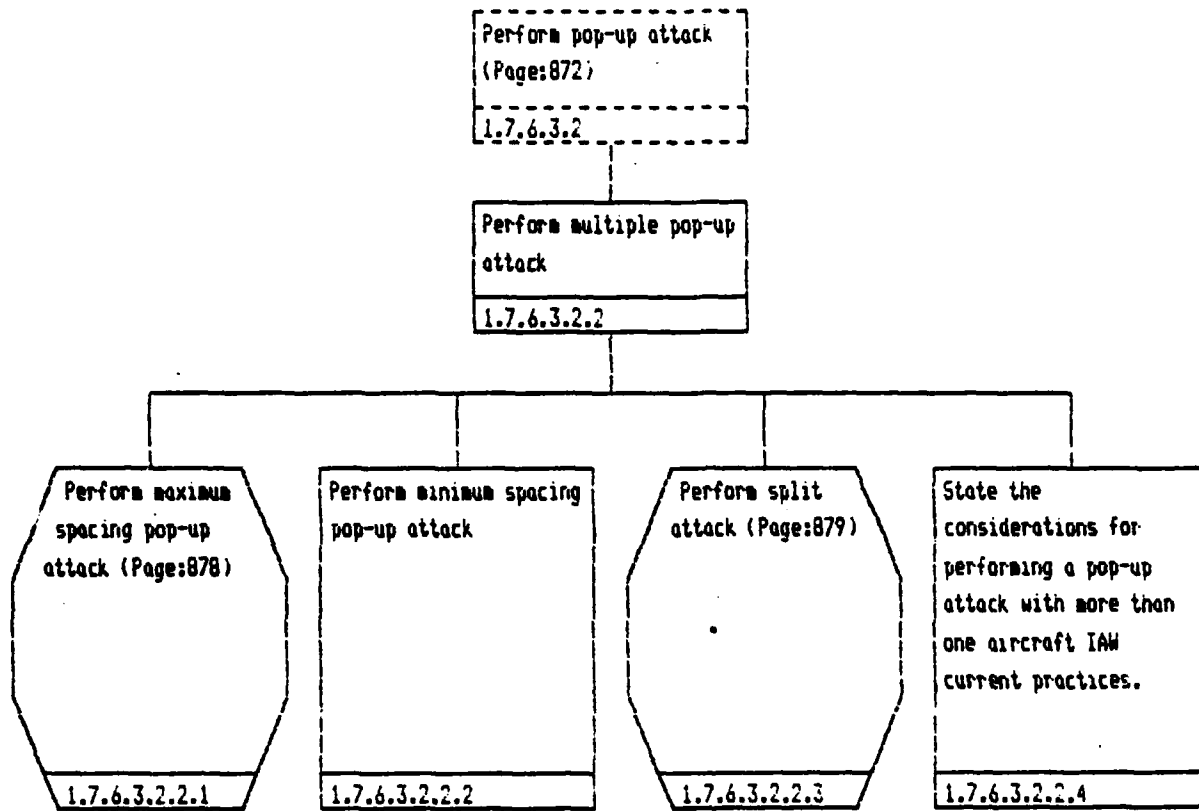








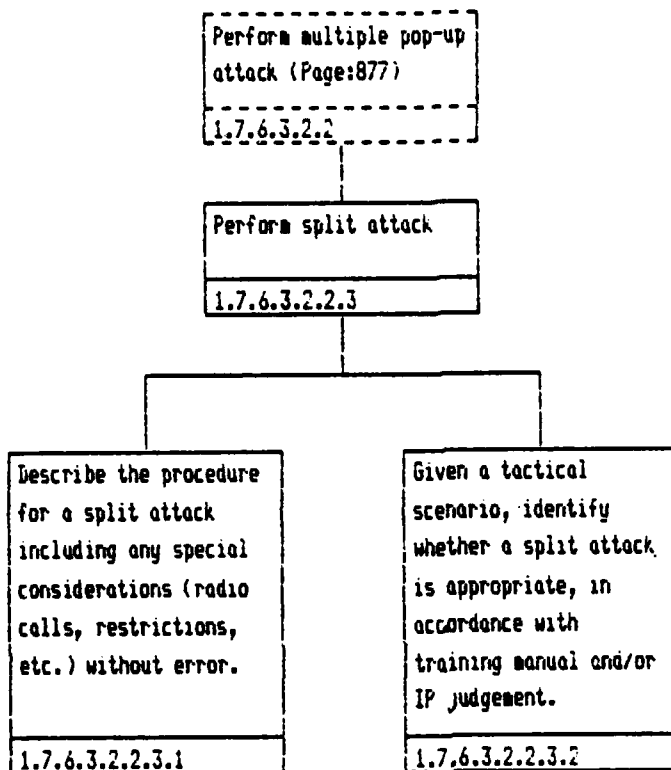




Perform multiple pop-up  
attack (Page:877)  
1.7.6.3.2.2

Perform maximum spacing  
pop-up attack  
1.7.6.3.2.2.1

State the  
considerations for  
performing maximum  
spacing pop-up attacks,  
IAW TACH 3-1.  
1.7.6.3.2.2.1.1



Perform pop-up attack  
(Page:872)

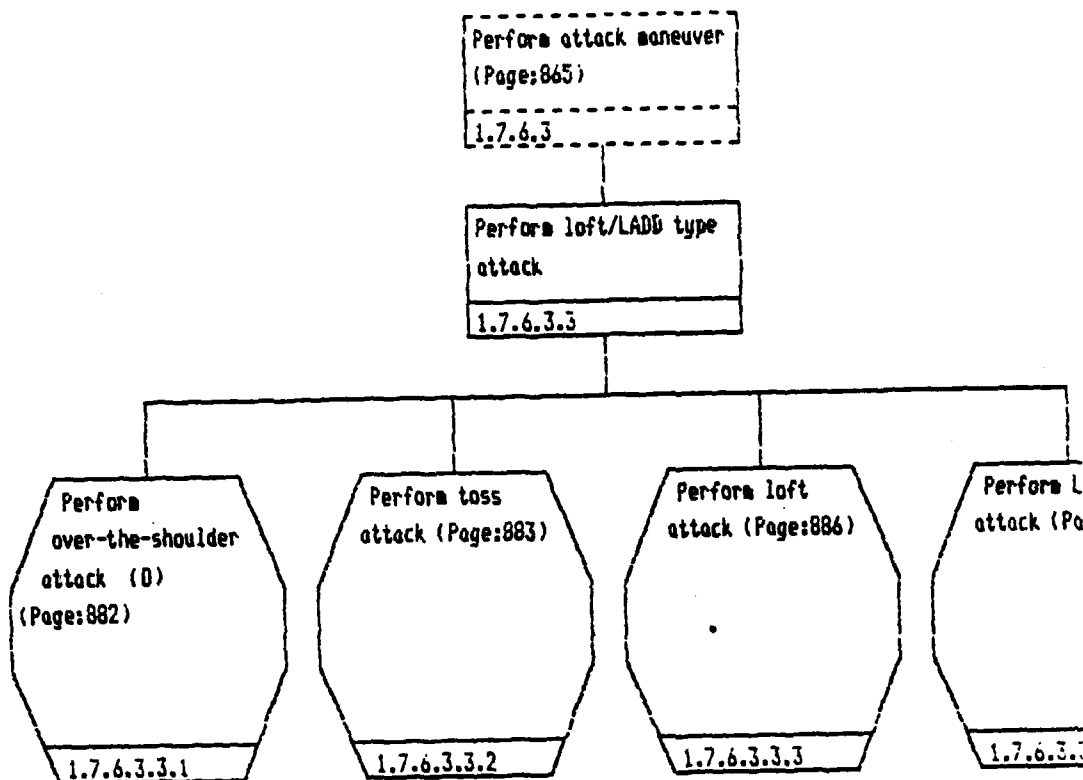
1.7.6.3.2

Given a tactical scenario, identify the type of pop-up attack (indirect, direct, angle off) including specific advantages and disadvantages appropriate to that scenario without error.

1.7.6.3.2.3

State the considerations for performing minimum spacing pop-up attacks, including tactical advantages, coordination between flight members, and cockpit cues for initiating the pop-up

1.7.6.3.2.3.1





Perform loft/LADD type  
attack (Page:881)

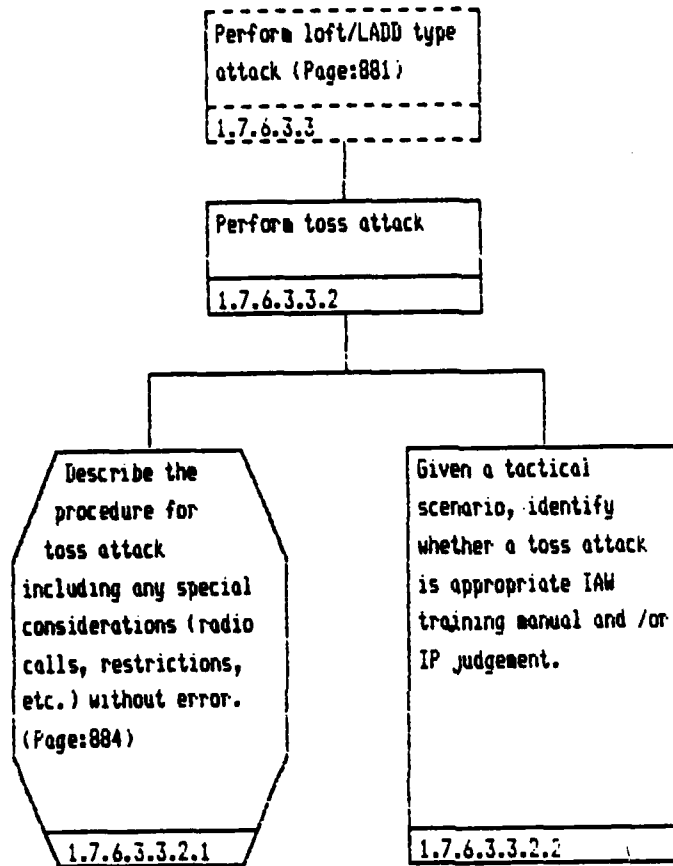
1.7.6.3.3

Perform  
over-the-shoulder  
attack (O)

1.7.6.3.3.1

Given a suitable  
hands-on trainer,  
correctly perform an  
over-the-shoulder  
delivery IAW current  
practices. (H)

1.7.6.3.3.1.1



Perform toss attack  
(Page:883)

1.7.6.3.3.2

Describe the procedure  
for toss attack  
including any special  
considerations (radio  
calls, restrictions,  
etc.) without error.

1.7.6.3.3.2.i

Given a  
suitable hands-on  
trainer, correctly  
perform a toss delivery  
IAW current practices.  
(Page:885)

1.7.6.3.3.2.1.1

Describe the procedure  
for toss attack  
including any special  
considerations (radio  
calls, restrictions,  
etc.) without error.  
(Page:884)

1.7.6.3.3.2.1

Given a suitable  
hands-on trainer,  
correctly perform a  
toss delivery IAW  
current practices.

1.7.6.3.3.2.1.1

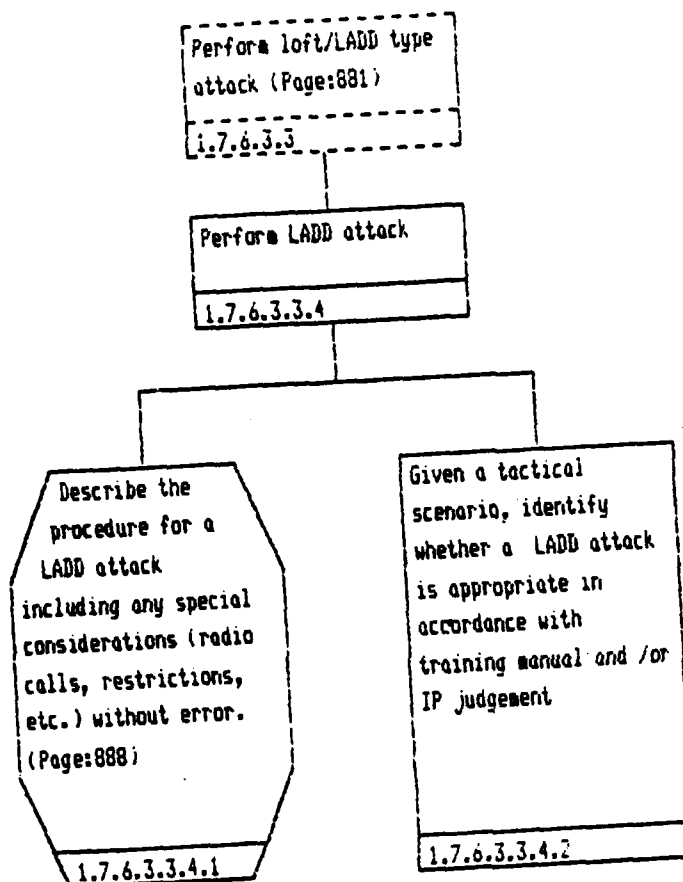
Given a list of low  
level type attacks and  
a tactical scenario,  
identify the type(s)  
appropriate to that  
scenario without error.

1.7.6.3.3.2.1.1.1

Perform loft/LADD type  
attack (Page:881)  
1.7.6.3.3

Perform loft attack  
1.7.6.3.3.3

Given a suitable  
hands-on trainer,  
correctly perform a  
loft delivery IAW  
current practices. .  
1.7.6.3.3.3.1



Perform LADD attack  
(Page:887)

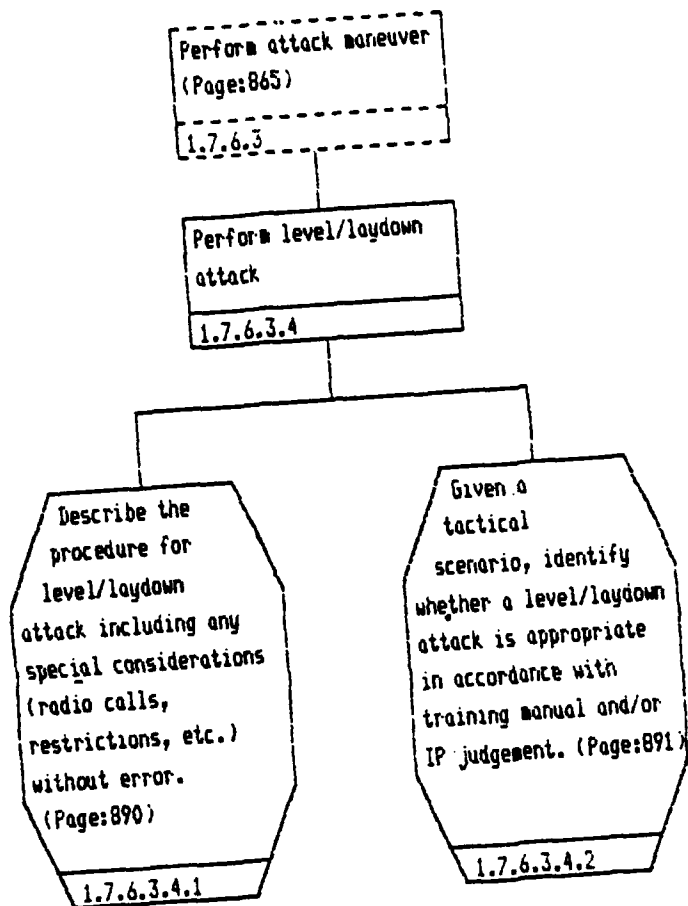
1.7.6.3.3.4

Describe the procedure  
for a LADD attack  
including any special  
considerations (radio  
calls, restrictions,  
etc.) without error.

1.7.6.3.3.4.1

Given a suitable  
hands-on trainer,  
correctly perform a  
LADD delivery IAW  
current practices.

1.7.6.3.3.4.1.1





Perform level/laydown  
attack (Page:889)  
1.7.6.3.4

Describe the procedure  
for level/laydown  
attack including any  
special considerations  
(radio calls,  
restrictions, etc.)  
without error.  
1.7.6.3.4.1

Given a suitable  
hands-on trainer,  
correctly perform a  
level/laydown delivery  
IAW current practices.  
1.7.6.3.4.1.1

Perform level/laydown  
attack (Page:889)

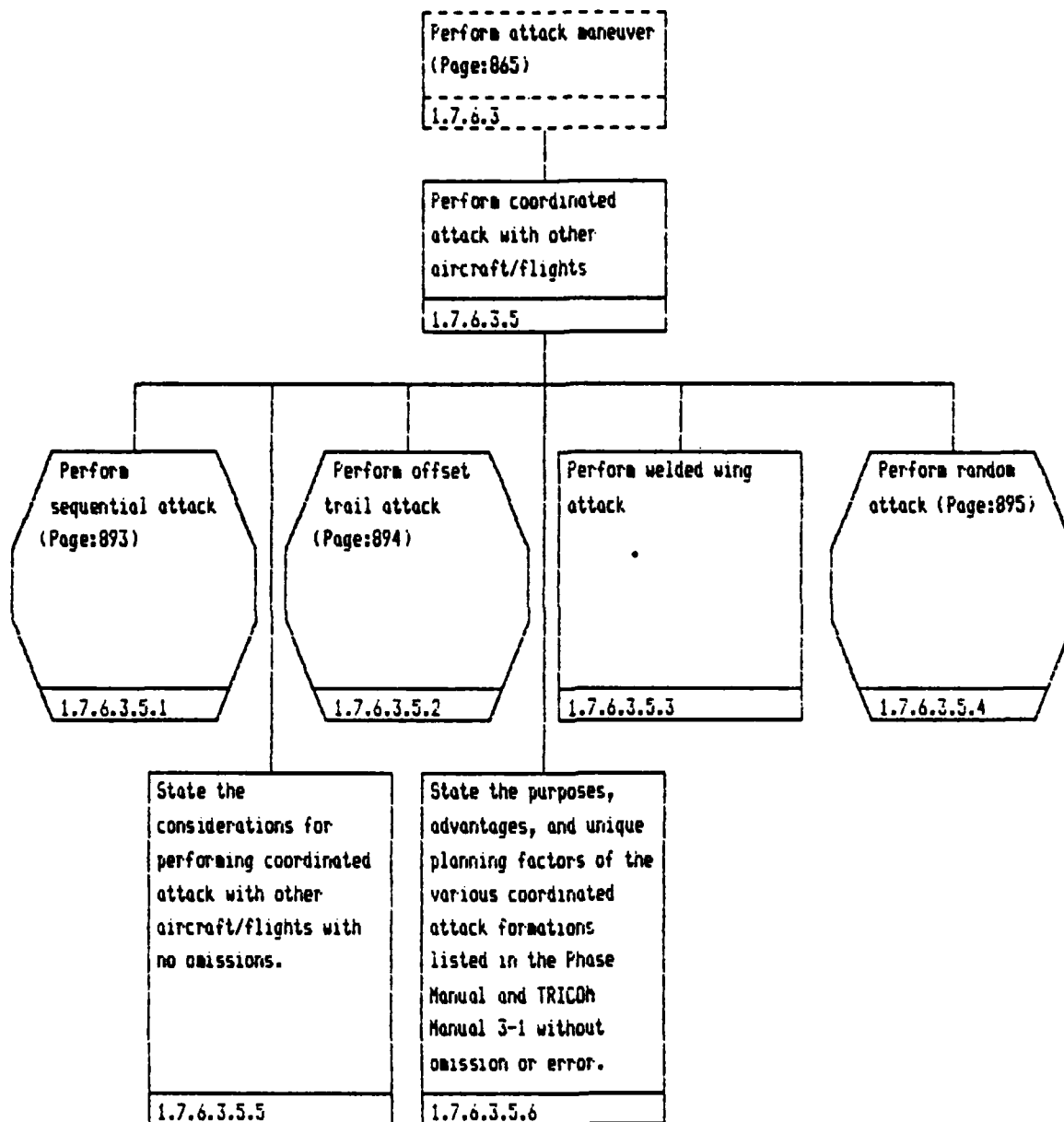
1.7.6.3.4

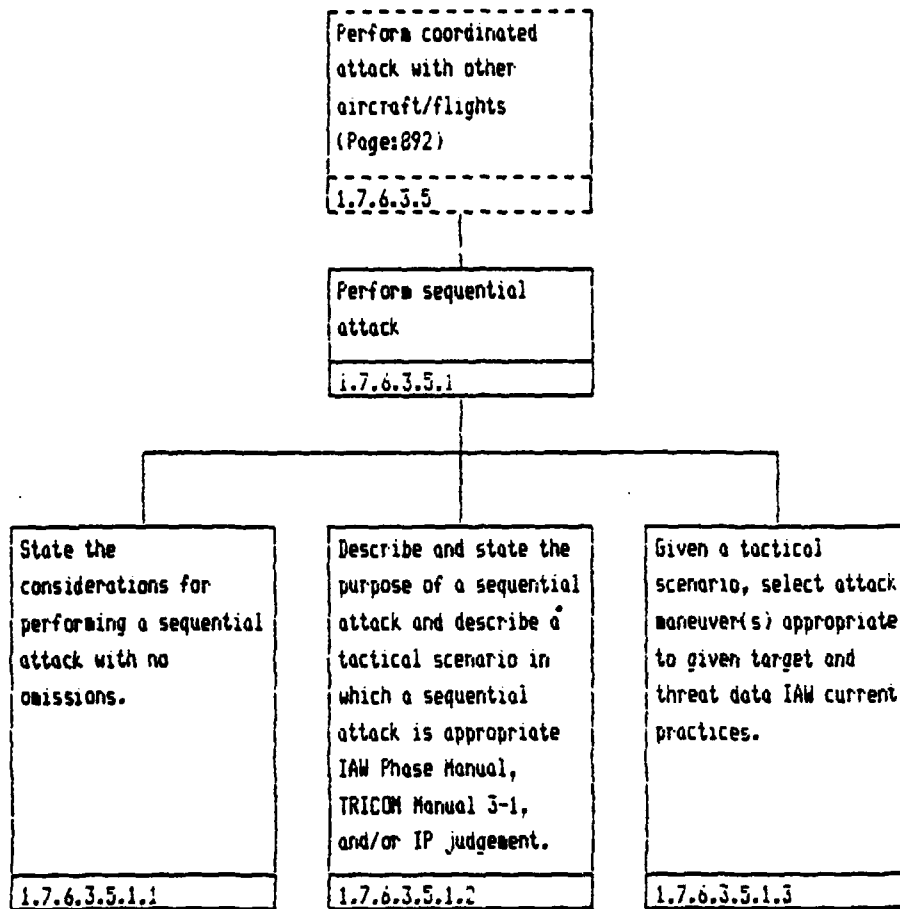
Given a tactical  
scenario, identify  
whether a level/laydown  
attack is appropriate  
in accordance with  
training manual and/or  
JP judgement.

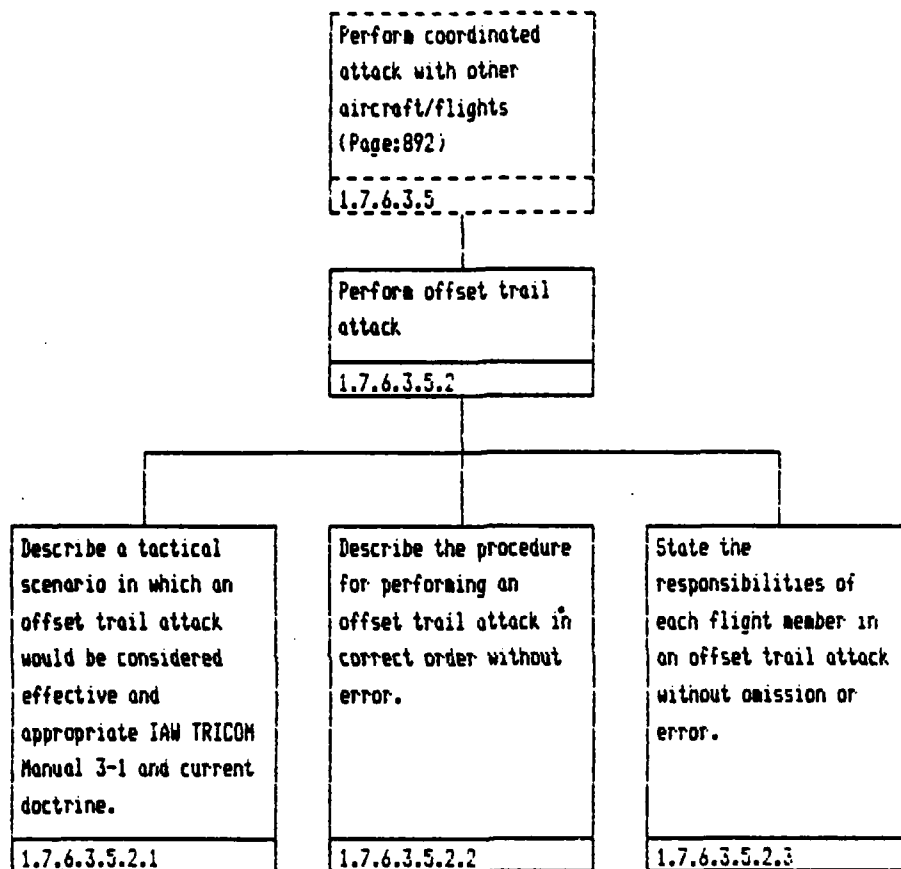
1.7.6.3.4.2

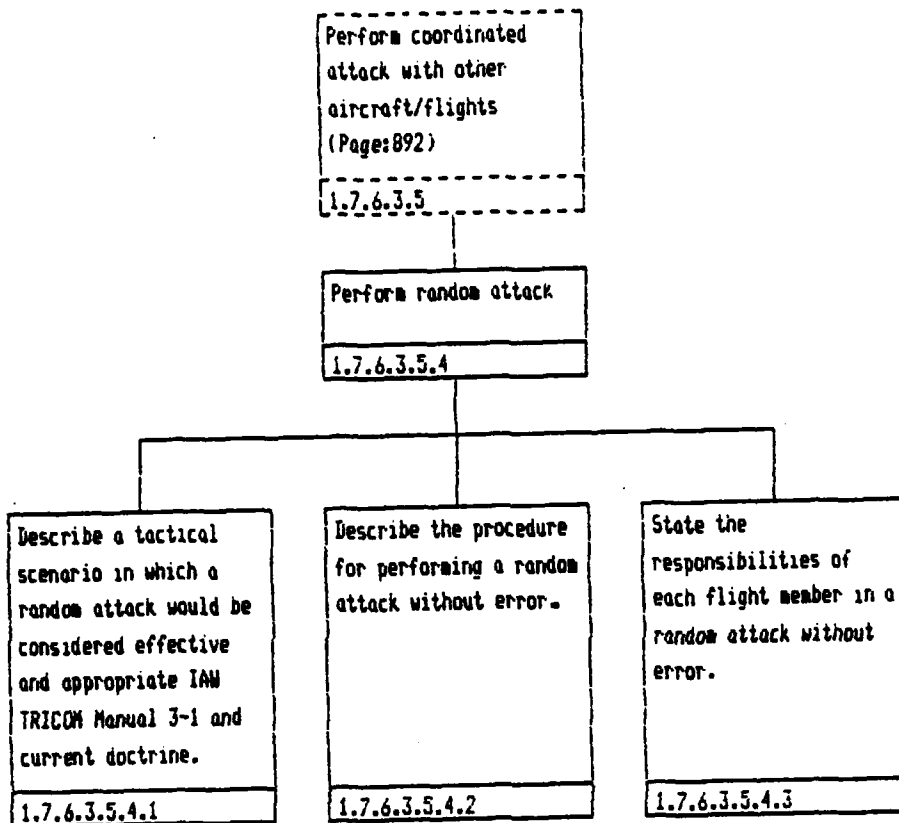
Given the varieties of  
attack maneuver (medium  
altitude TOSS, pop-up,  
loft/LADD,  
level/laydown,  
coordinated), identify  
the situations where  
each may or should be  
employed without error.

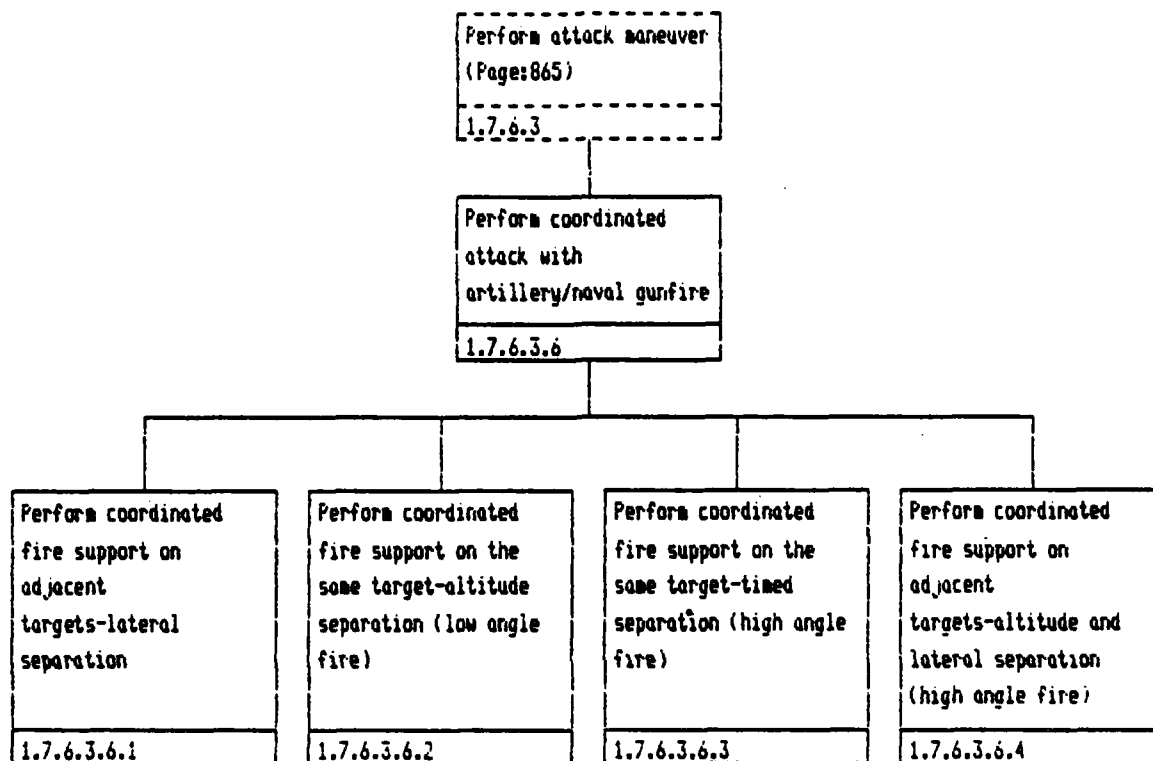
1.7.6.3.4.2.1

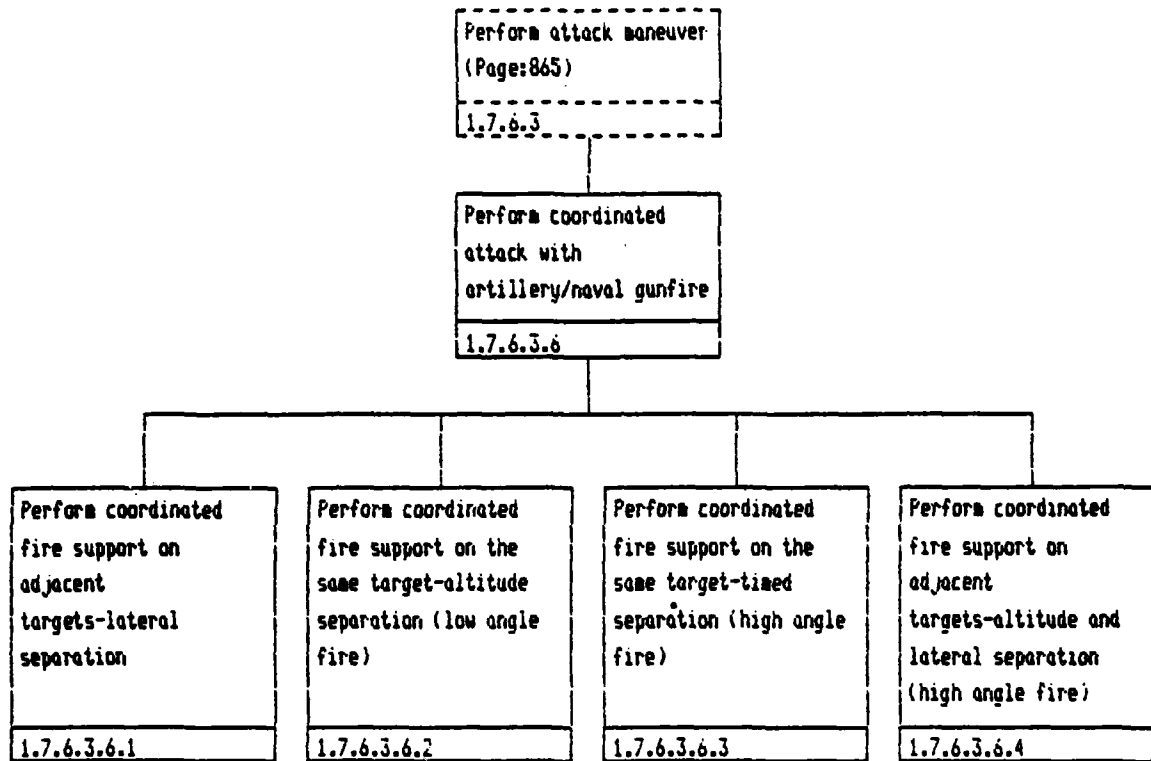




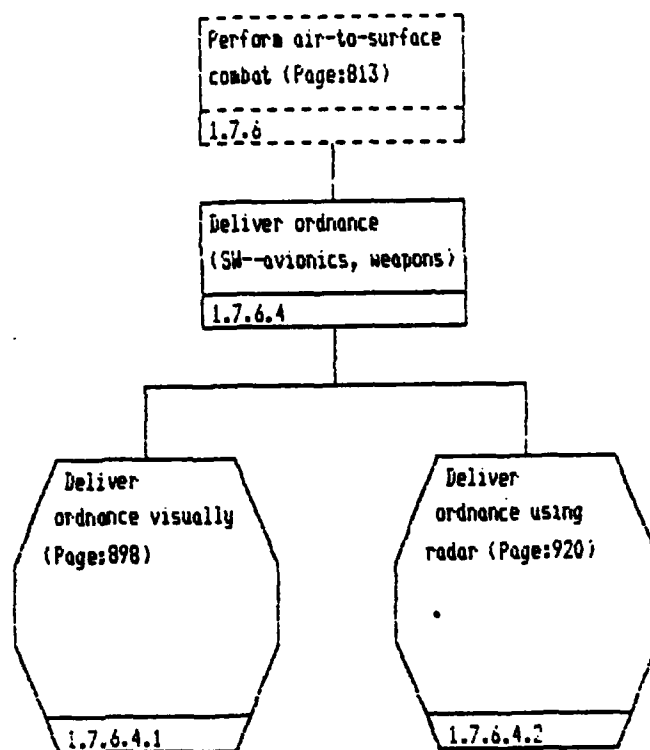


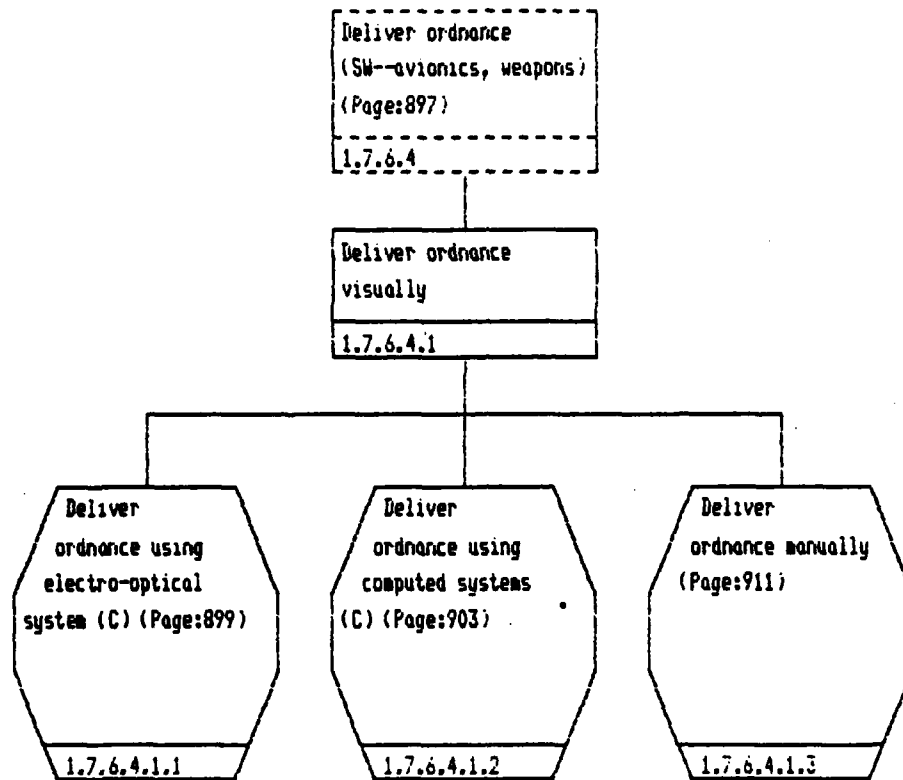


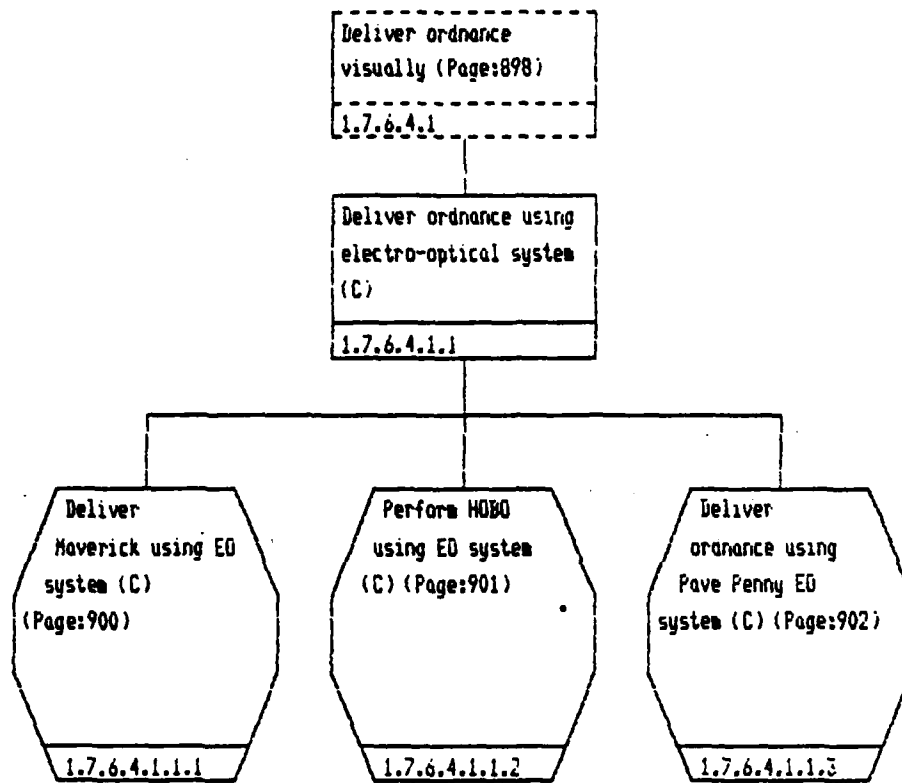


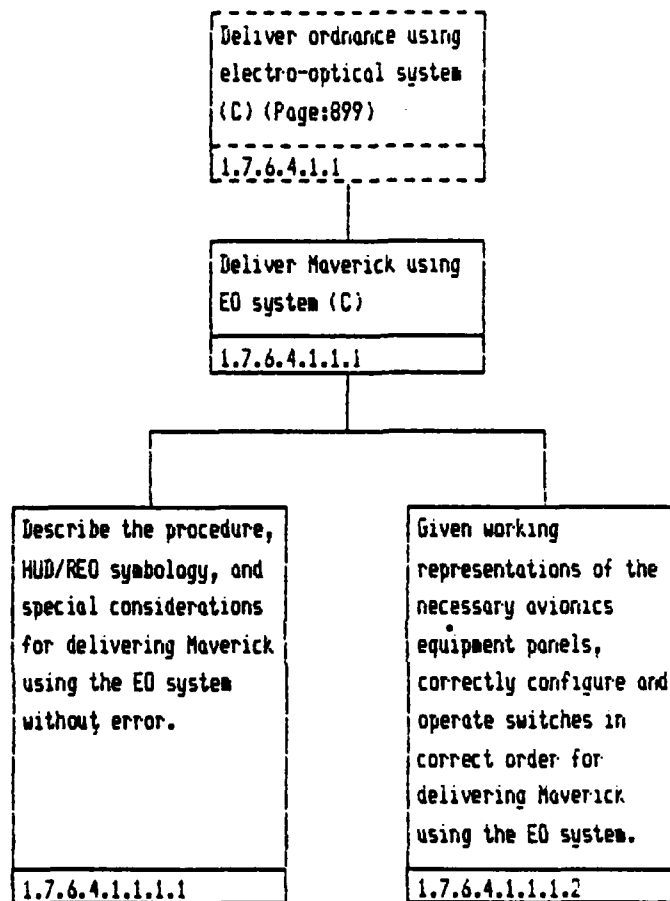


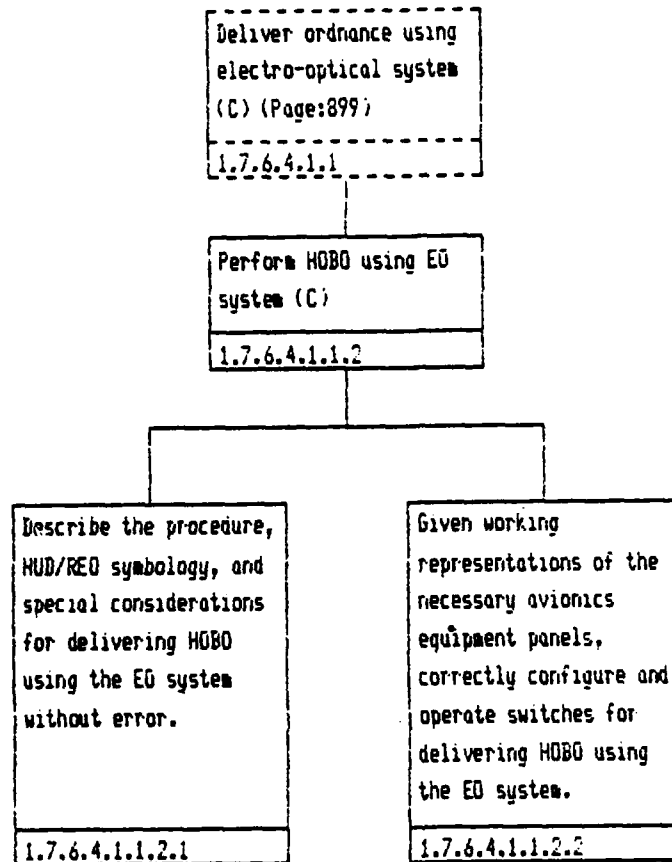


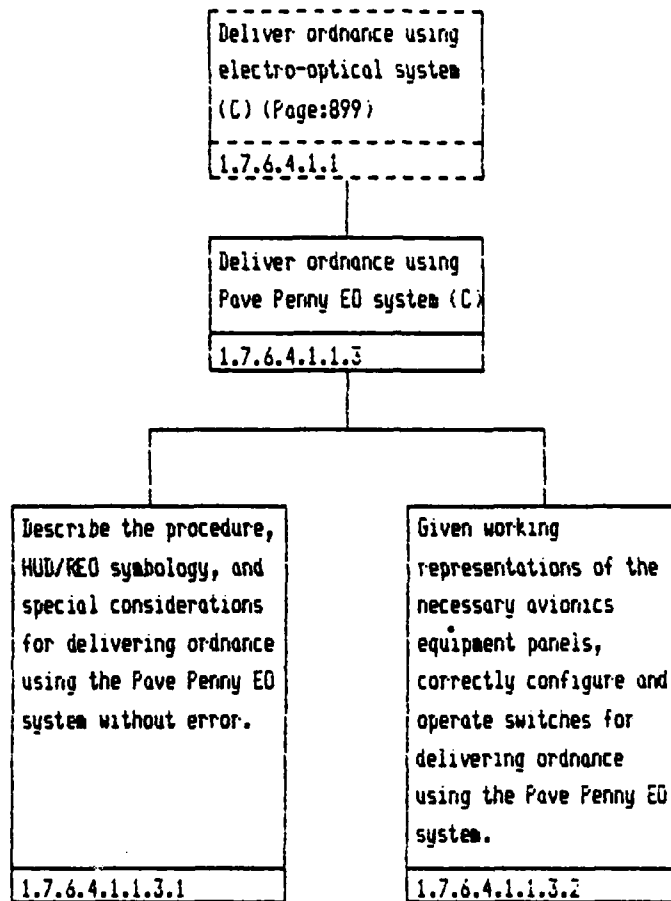


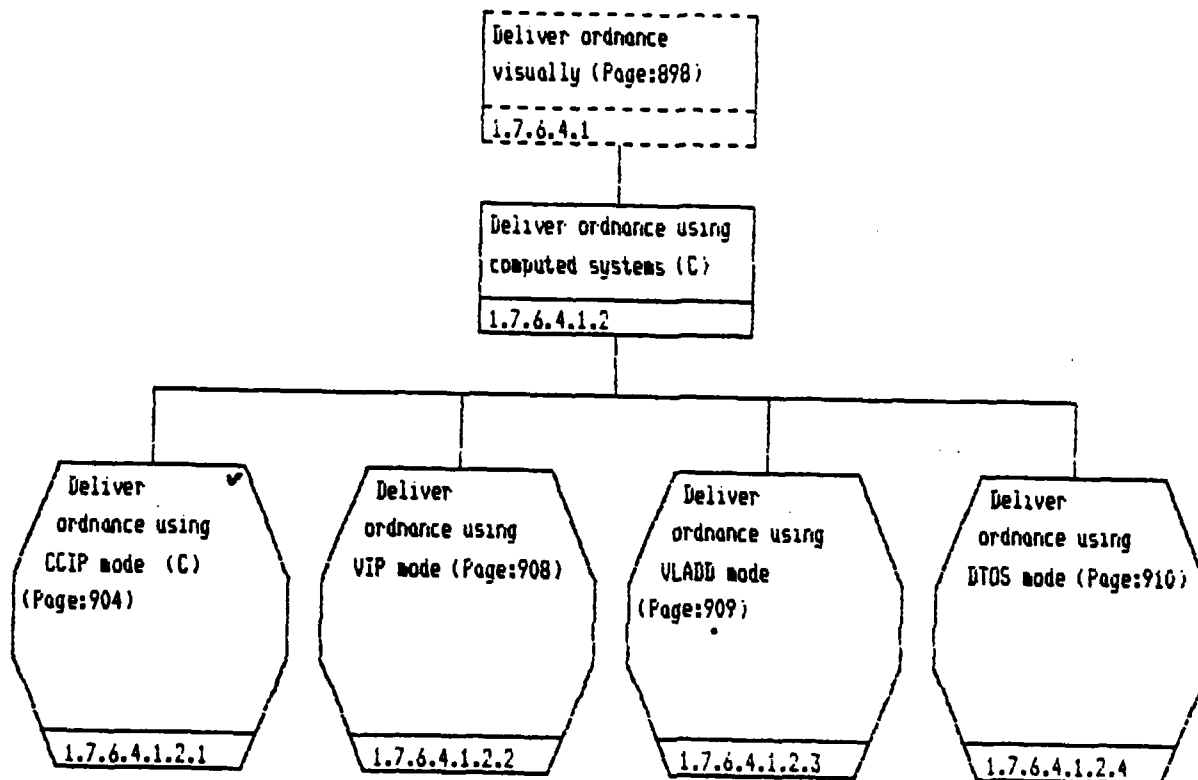


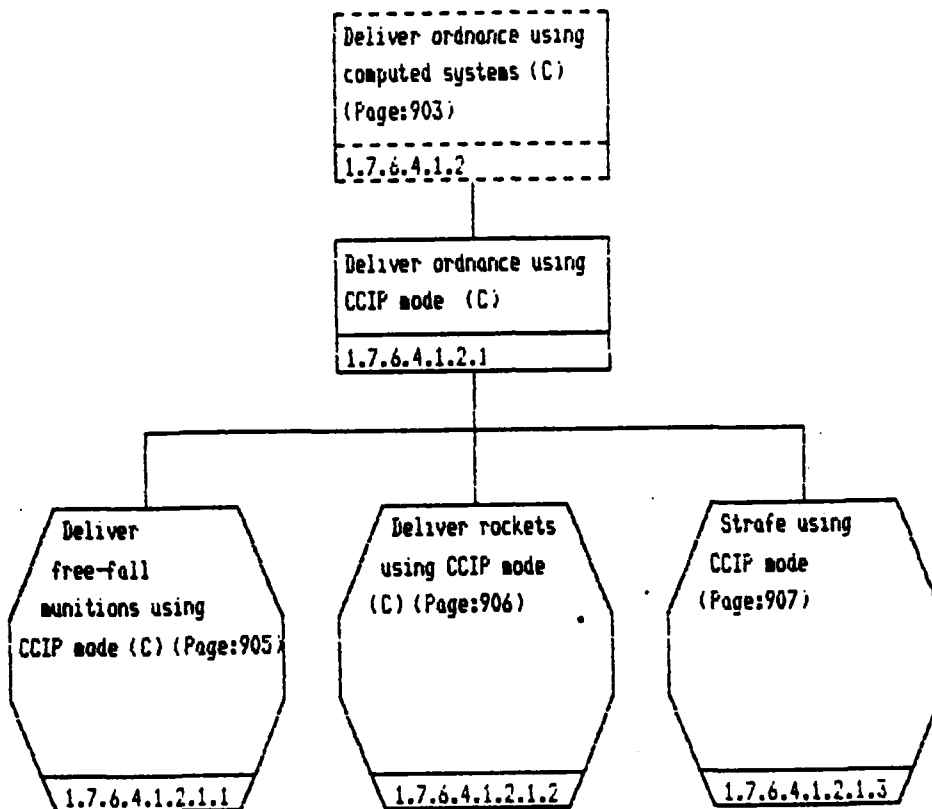




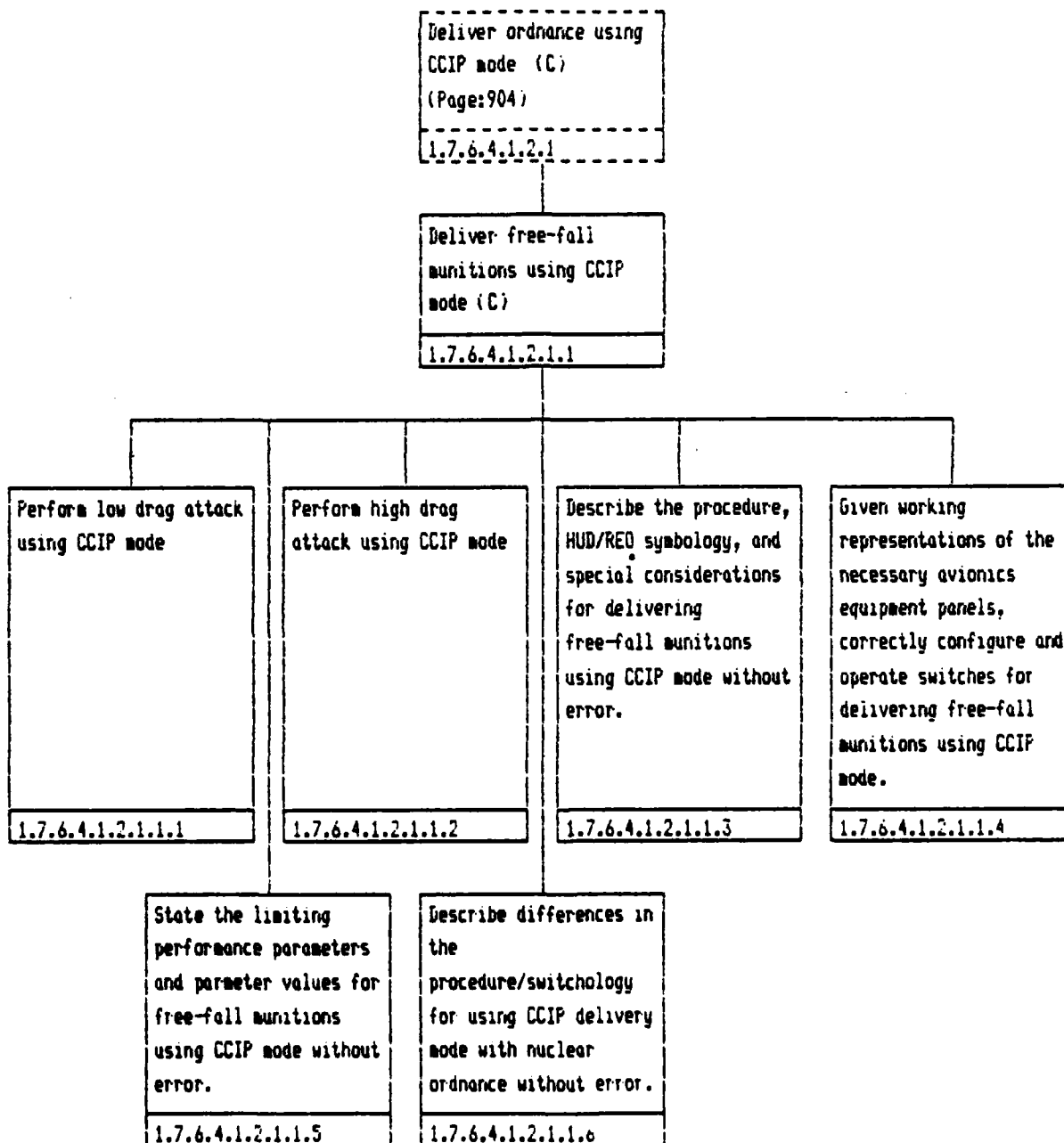


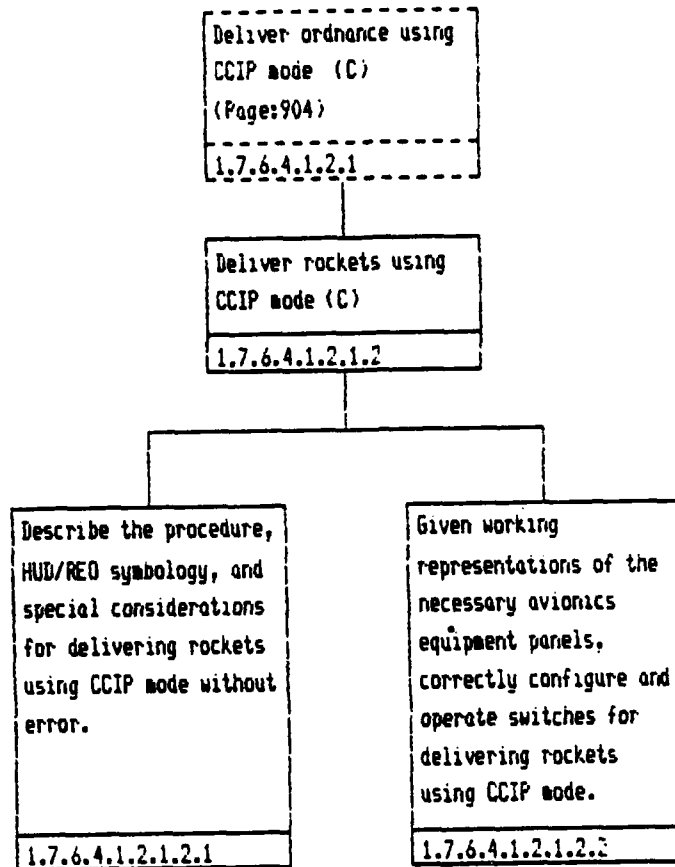


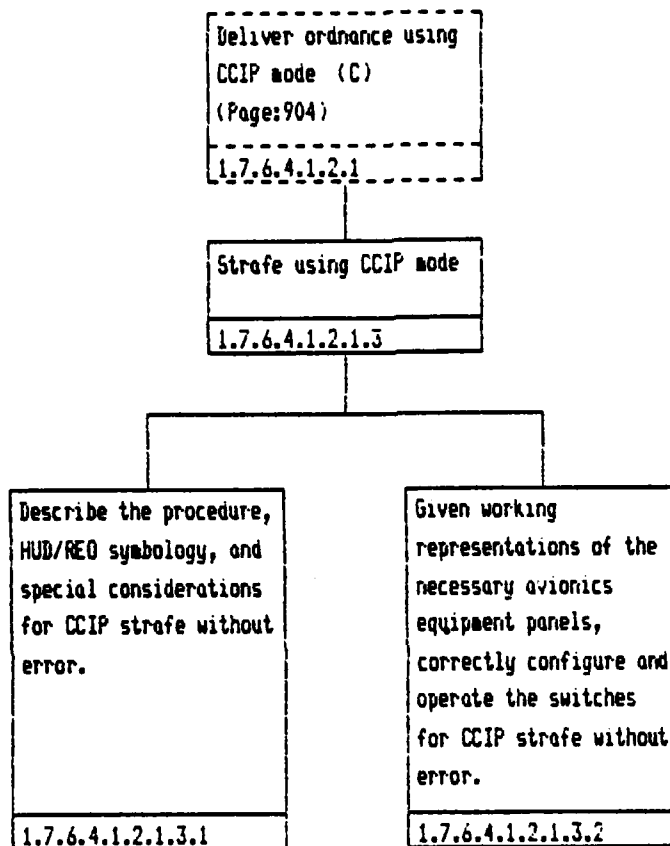


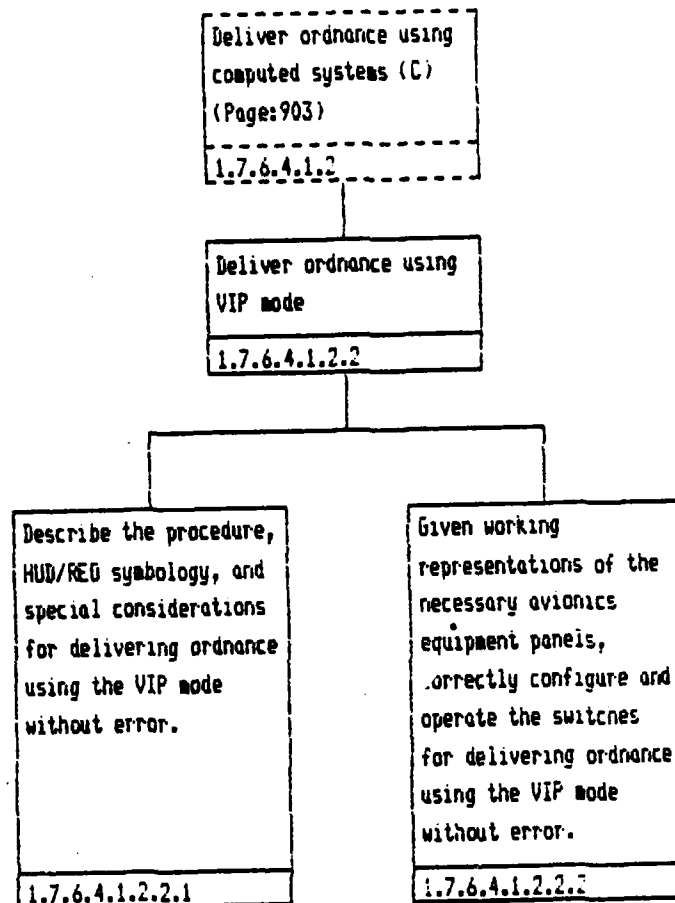


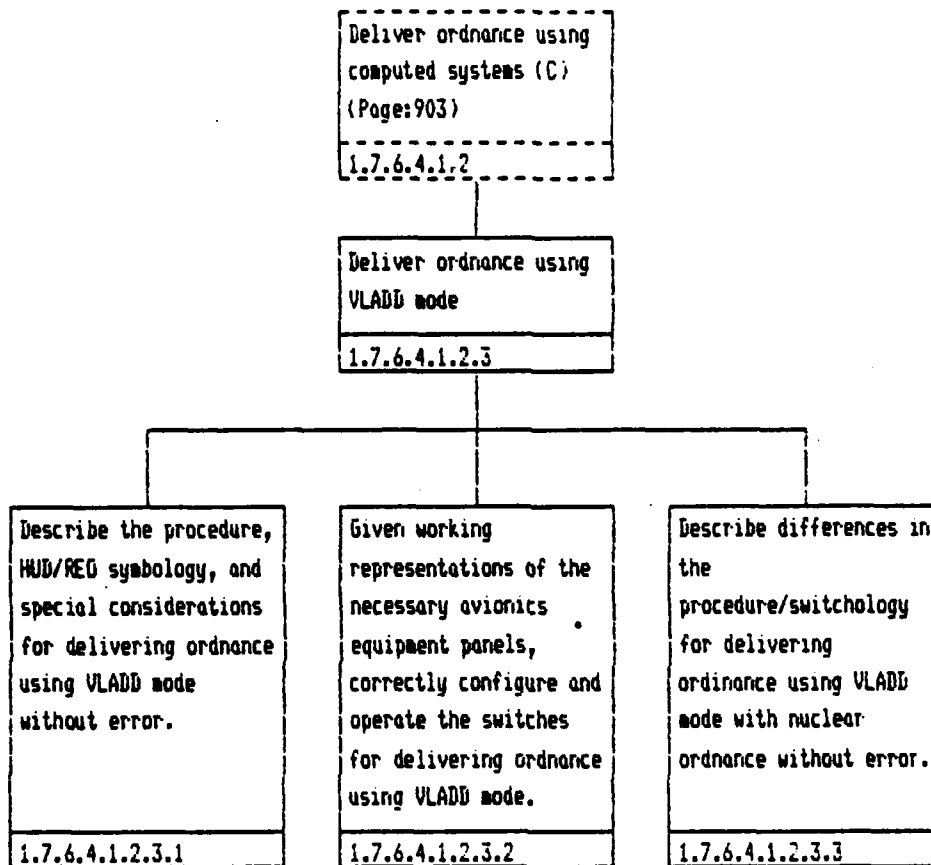


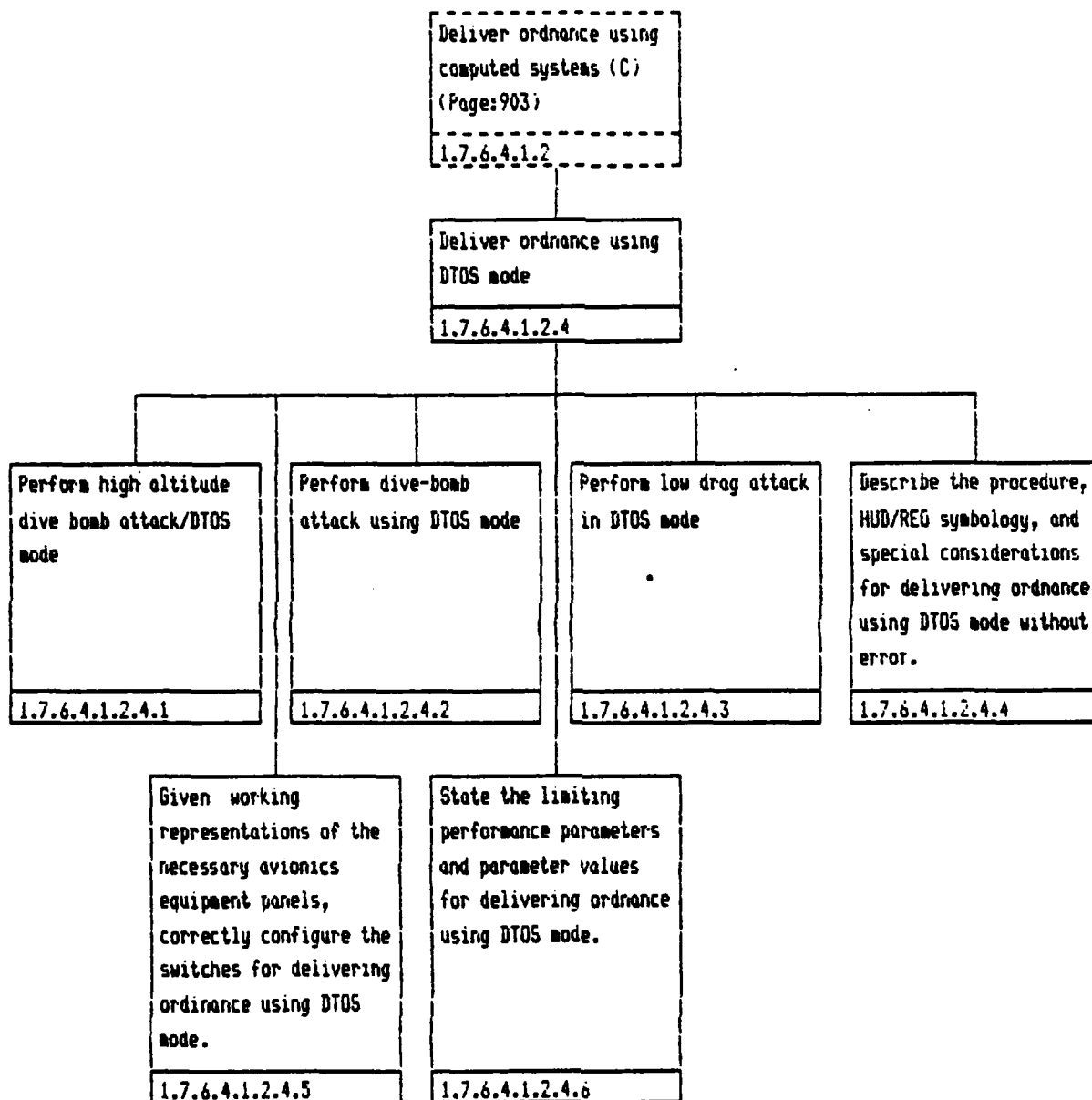


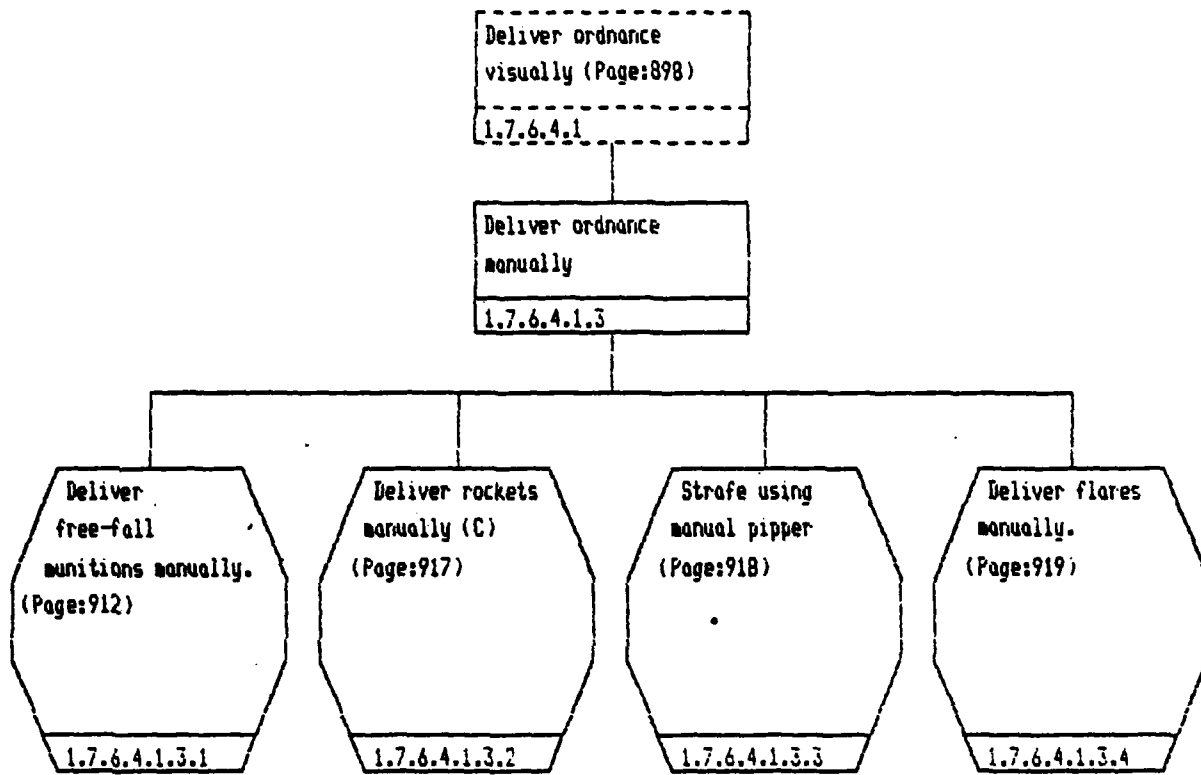


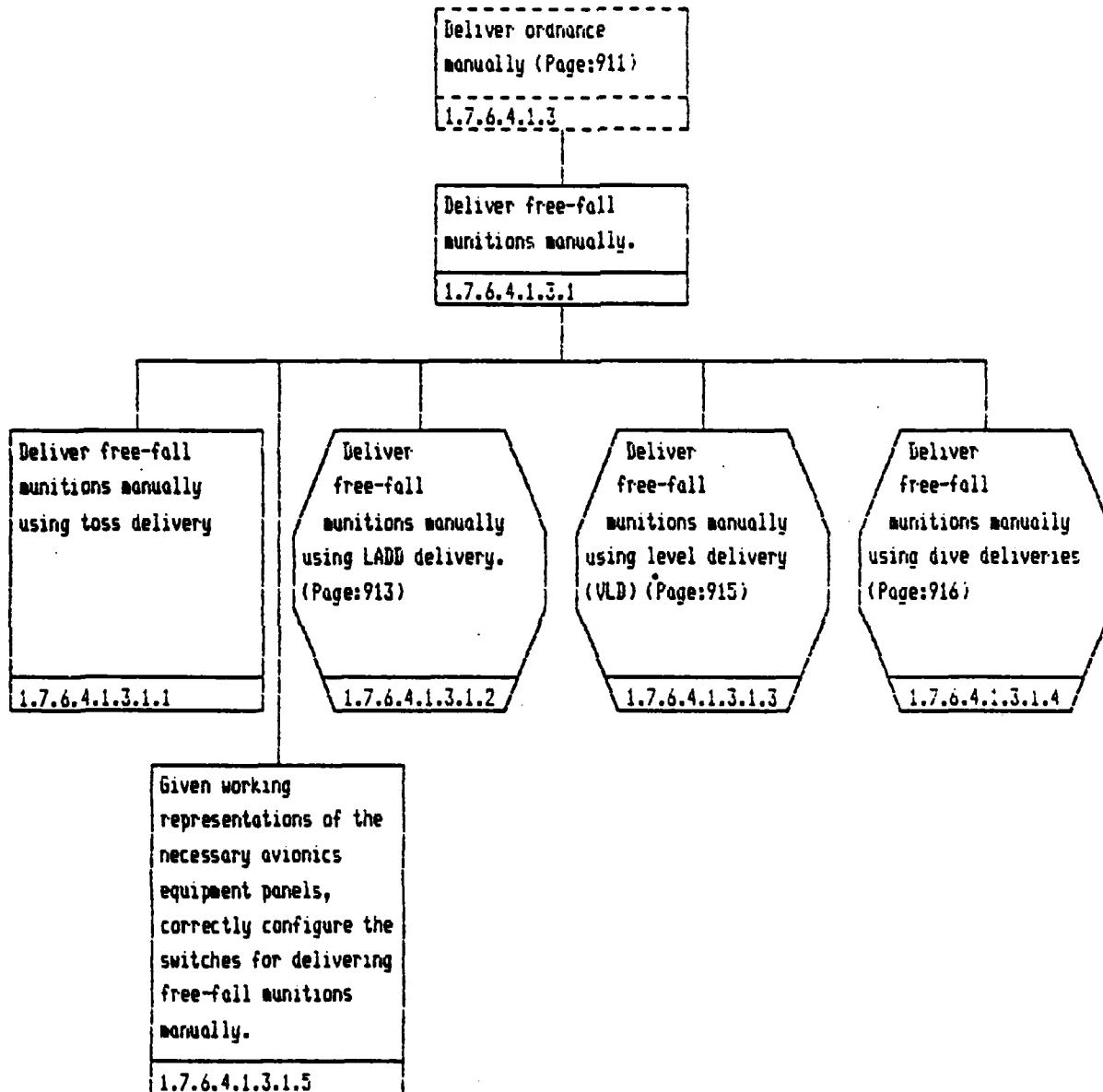










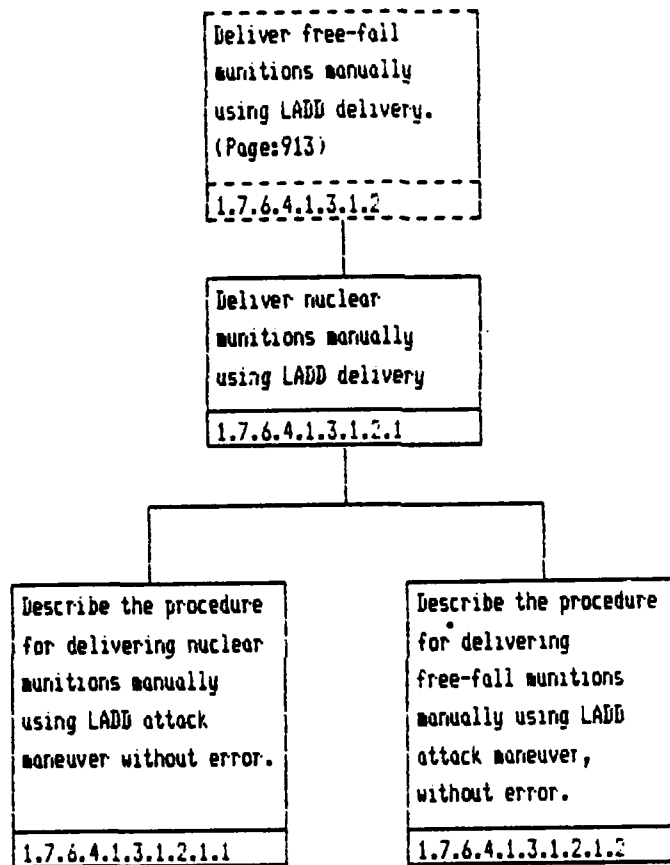


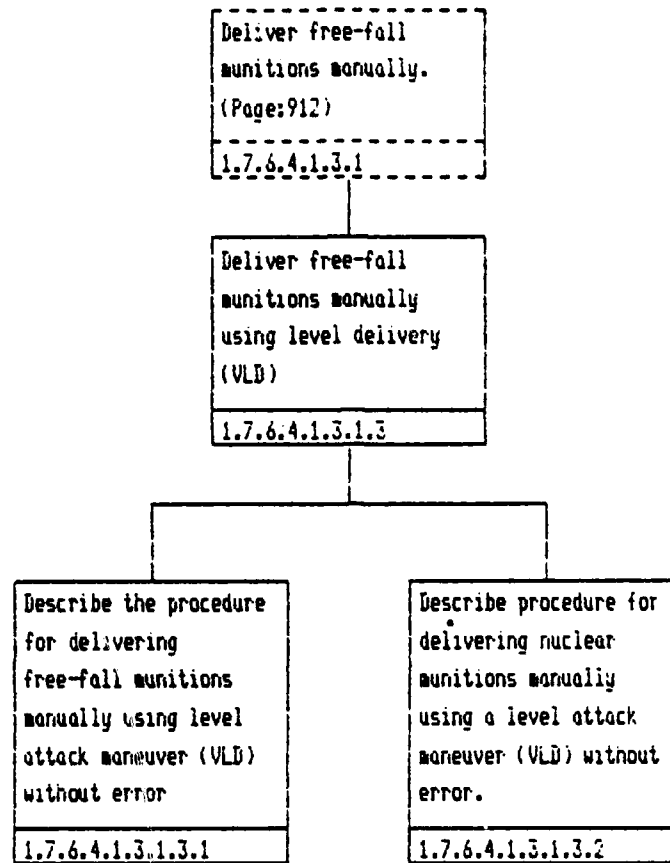


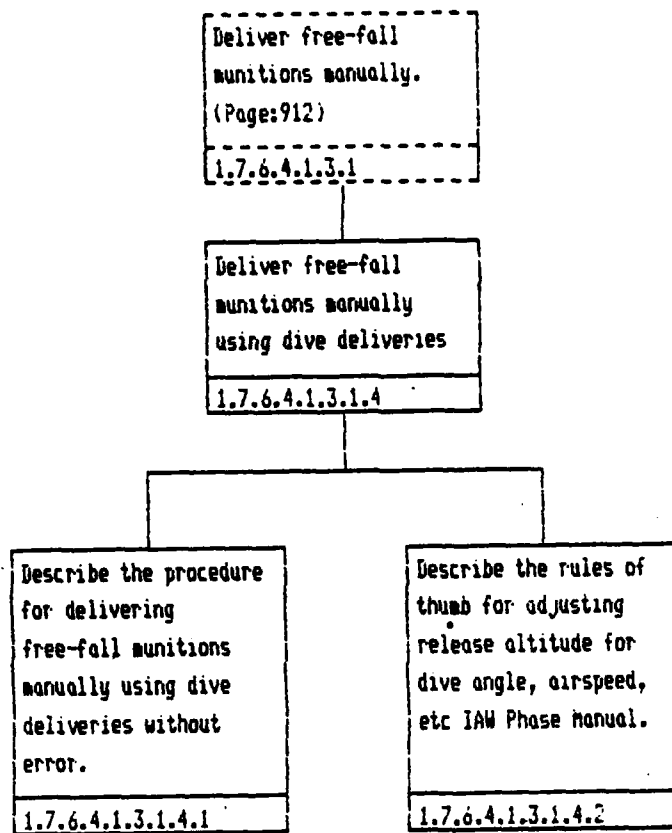
Deliver free-fall  
munitions manually.  
(Page:912)  
1.7.6.4.1.3.1

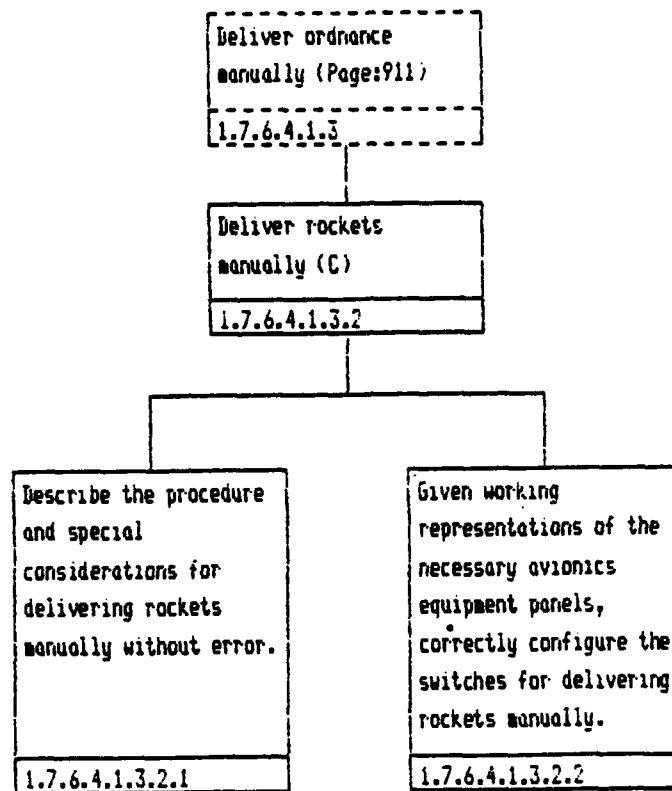
Deliver free-fall  
munitions manually  
using LADD delivery.  
1.7.6.4.1.3.1.2

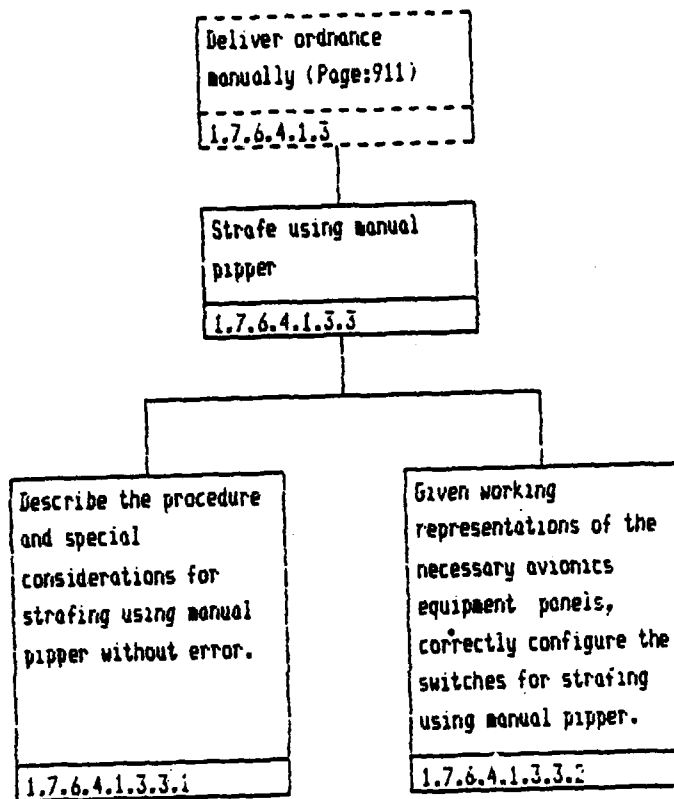
Deliver nuclear  
munitions  
manually using LADD  
delivery (Page:914)  
1.7.6.4.1.3.1.2.

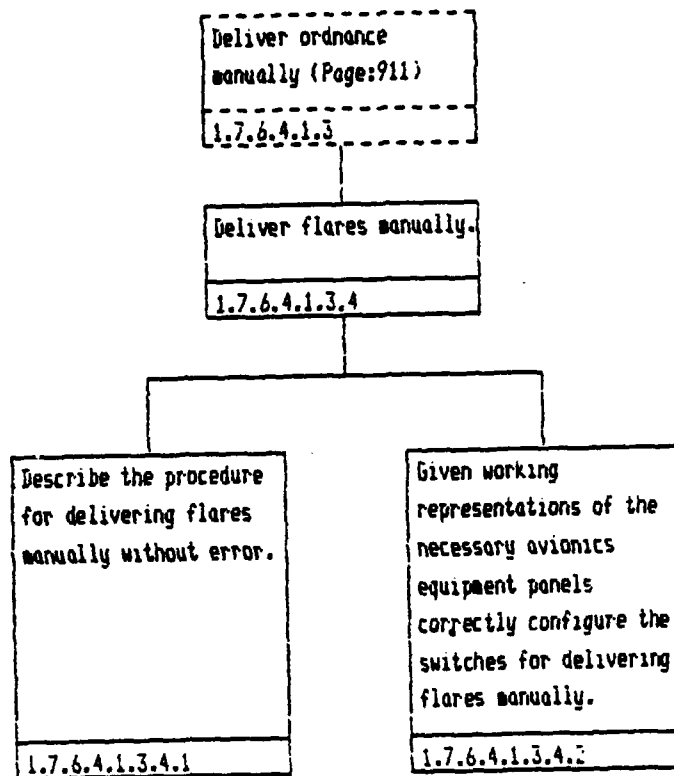


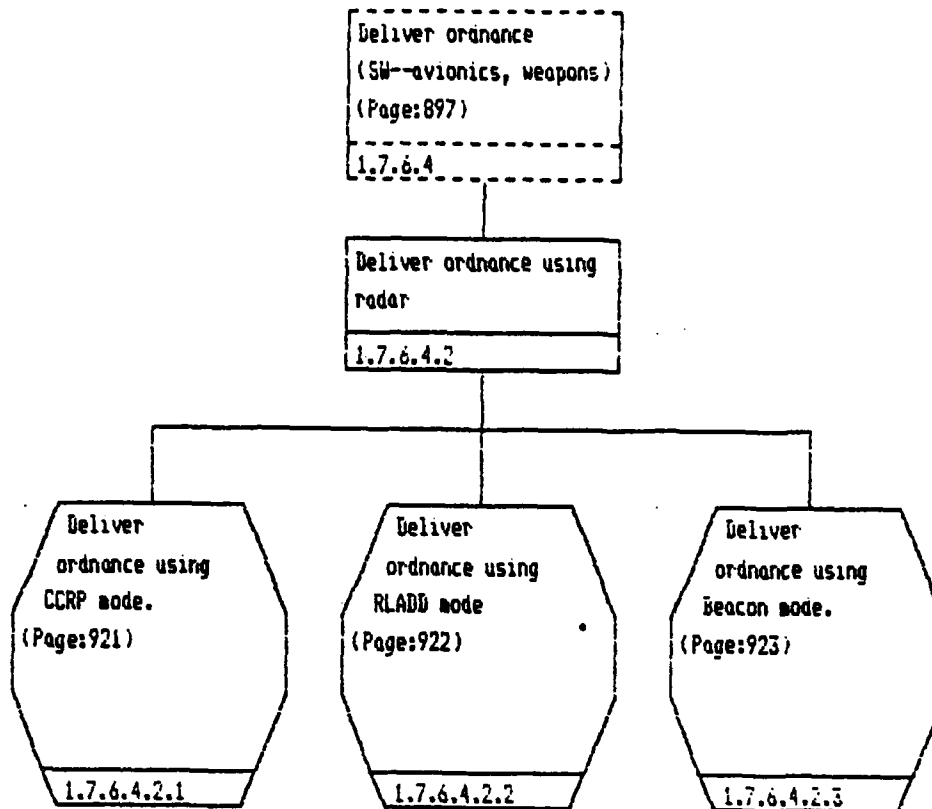




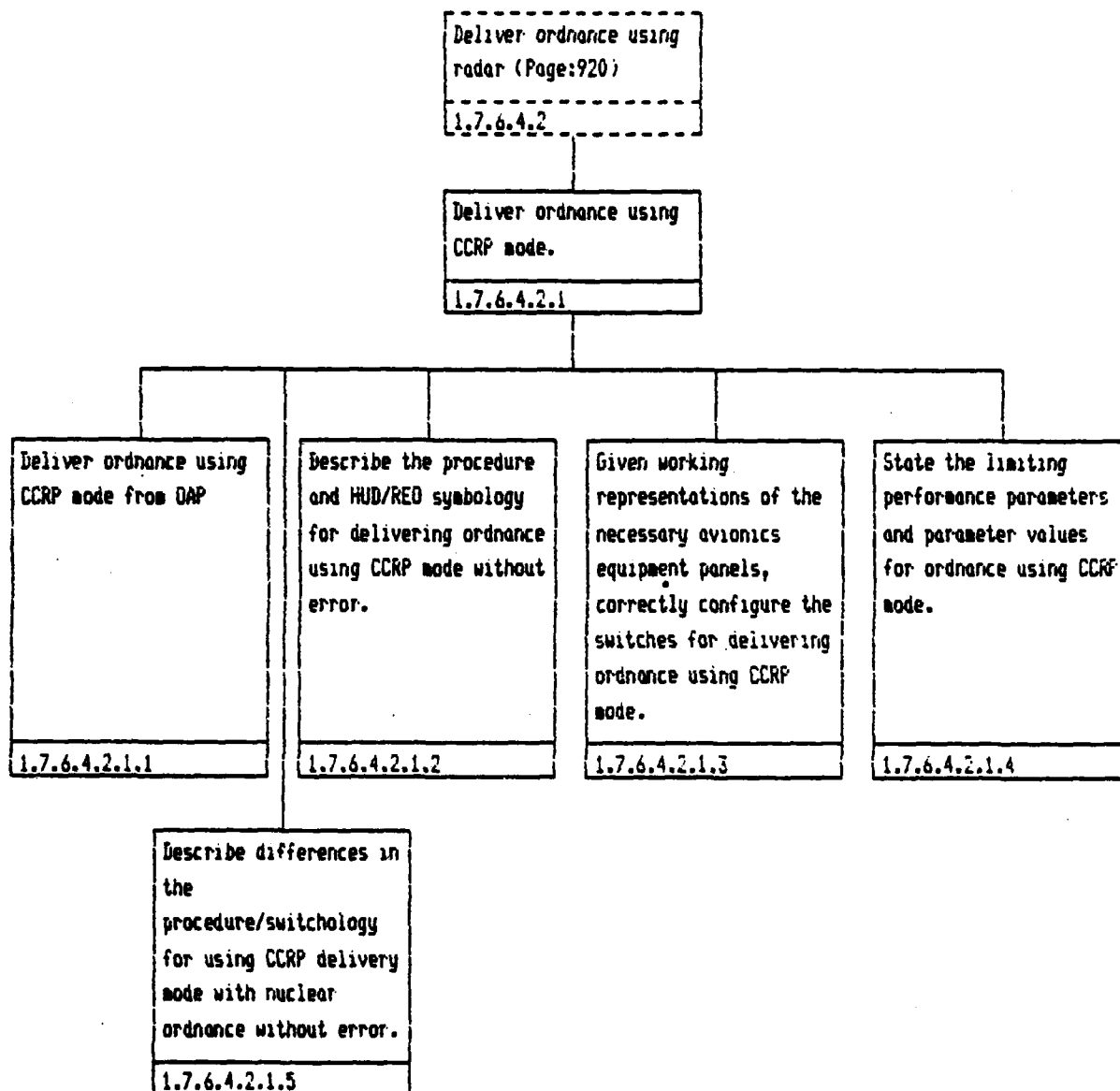


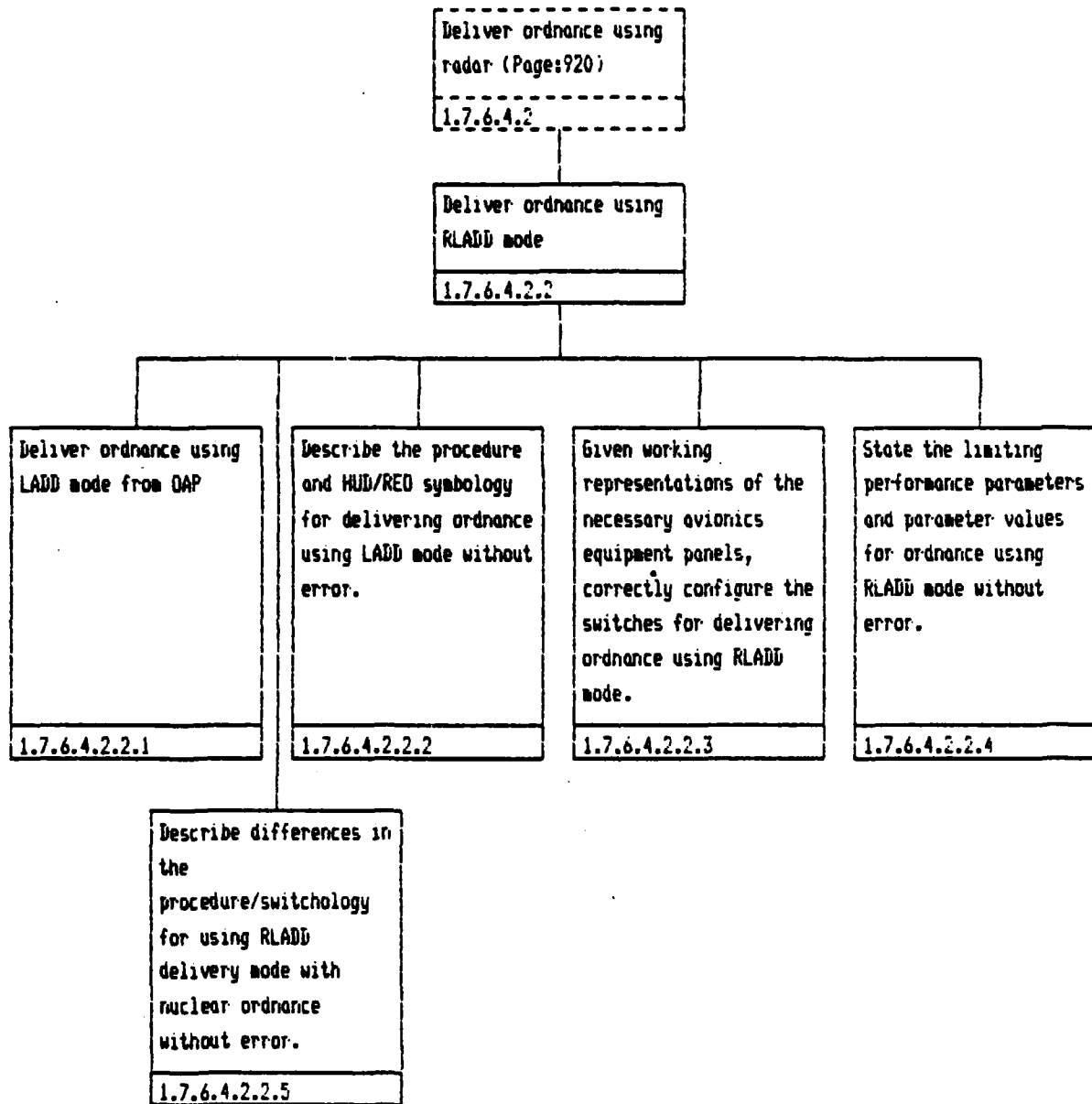


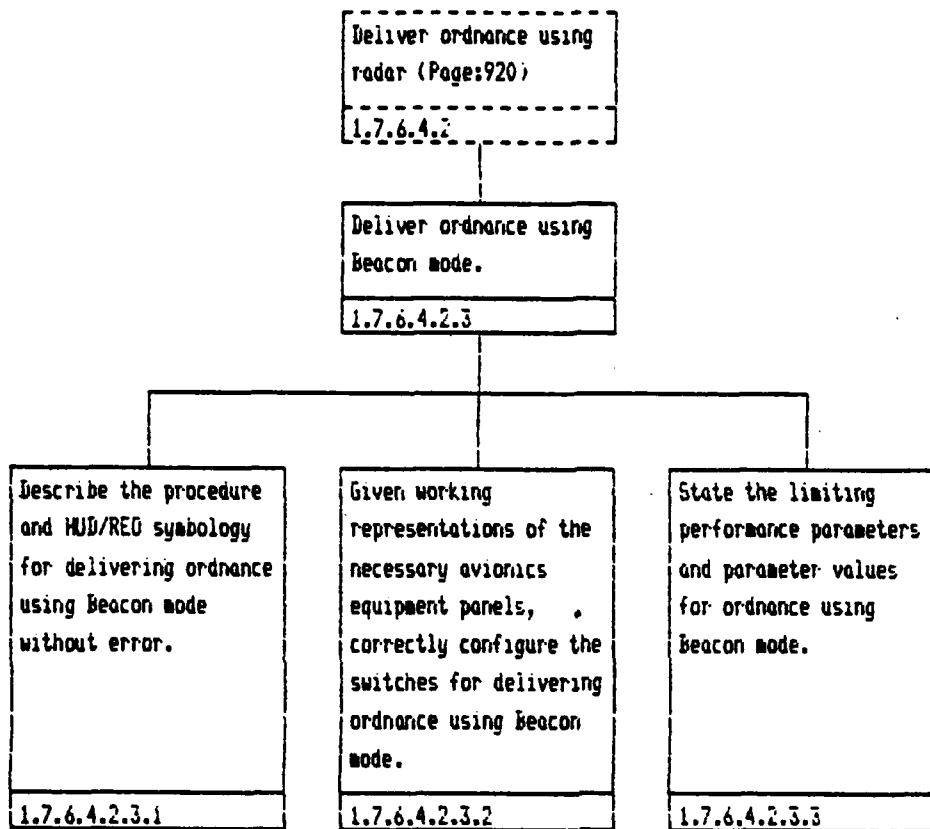


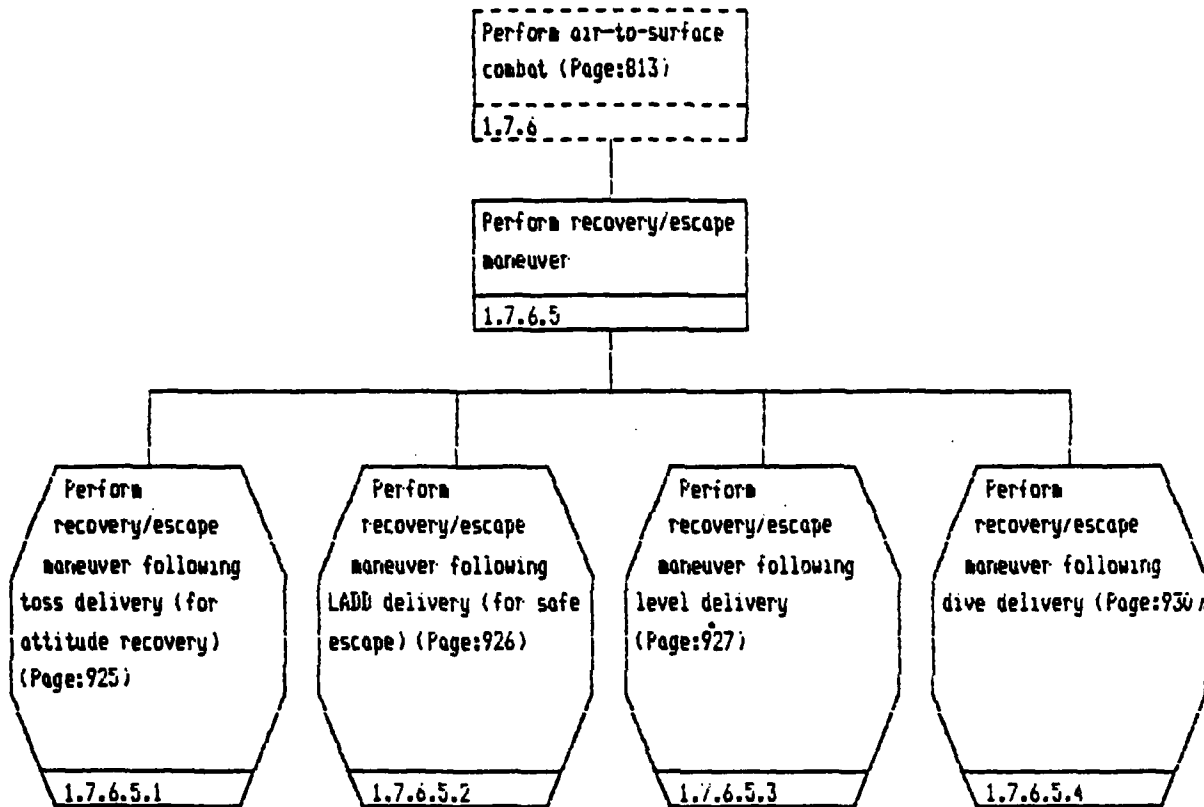












Perform recovery/escape  
maneuver (Page:924)

1.7.6.5

Perform recovery/escape  
maneuver following toss  
delivery (for attitude  
recovery)

1.7.6.5.1

Describe the procedure  
and special  
considerations for  
performing  
recovery/escape  
maneuver following toss  
delivery (for attitude  
recovery) without error.

1.7.6.5.1.1

Perform recovery/escape  
maneuver (Page:924)

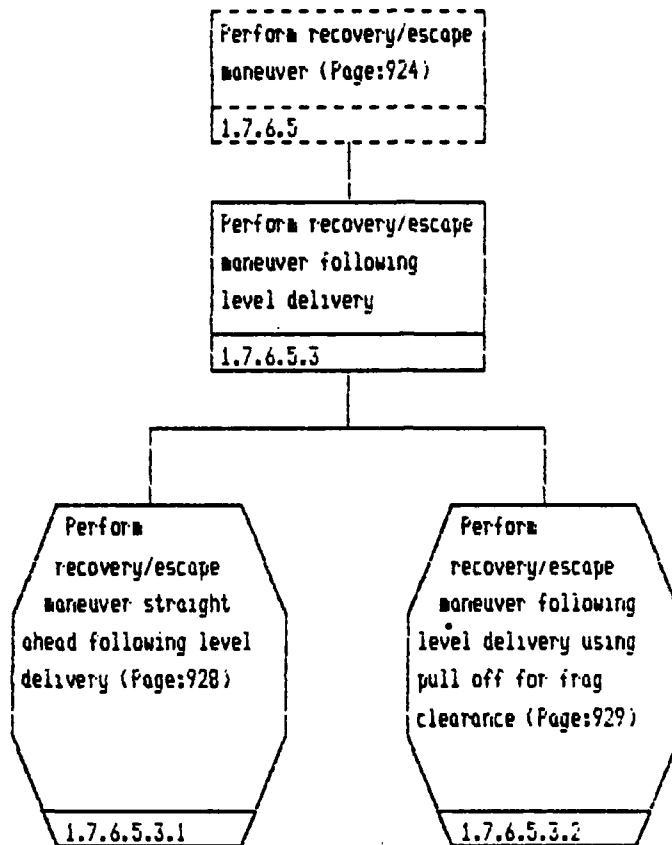
1.7.6.5

Perform recovery/escape  
maneuver following LADD  
delivery (for safe  
escape)

1.7.6.5.2

Describe the procedure  
and special  
considerations for  
performing  
recovery/escape  
maneuver following LADD  
delivery (for safe  
escape) without error.

1.7.6.5.2.1



Perform recovery/escape  
maneuver following  
level delivery  
(Page:927)

1.7.6.5.3

Perform recovery/escape  
maneuver straight ahead  
following level delivery

1.7.6.5.3.1

Describe the procedure  
and special  
considerations for  
performing  
recovery/escape  
maneuver straight ahead  
following level  
delivery without error.

1.7.6.5.3.1.1



Perform recovery/escape  
maneuver following  
level delivery  
(Page:927)

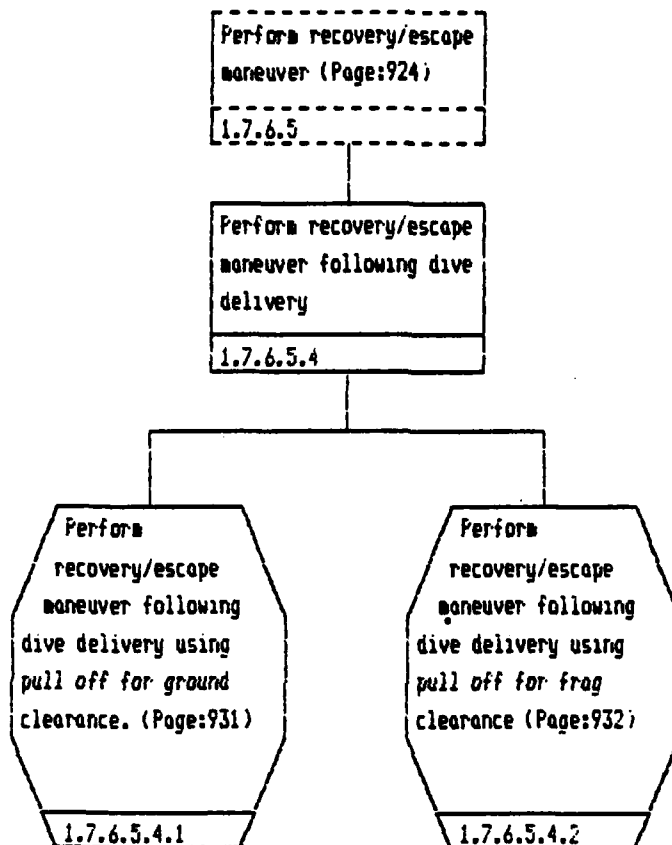
1.7.6.5.3

Perform recovery/escape  
maneuver following  
level delivery using  
pull off for frag  
clearance

1.7.6.5.3.2

Describe the procedure  
and special  
considerations for  
performing  
recovery/escape  
maneuver following  
level delivery using  
pull off for frag  
clearance without error.

1.7.6.5.3.2.1



Perform recovery/escape  
maneuver following dive  
delivery (Page:930)  
1.7.6.5.4

Perform recovery/escape  
maneuver following dive  
delivery using pull off  
for ground clearance.  
1.7.6.5.4.1

Describe the procedure  
and special  
considerations for  
performing  
recovery/escape  
maneuver following dive  
delivery using pull off  
for ground clearance  
without error.  
1.7.6.5.4.1.1

Perform recovery/escape  
maneuver following dive  
delivery (Page:930)

1.7.6.5.4

Perform recovery/escape  
maneuver following dive  
delivery using pull off  
for frag clearance

1.7.6.5.4.2

Describe the procedure  
and special  
considerations for  
performing  
recovery/escape  
maneuver following dive  
delivery using pull off  
for frag clearance  
without error.

1.7.6.5.4.2.1

Perform air-to-surface  
combat (Page:813)

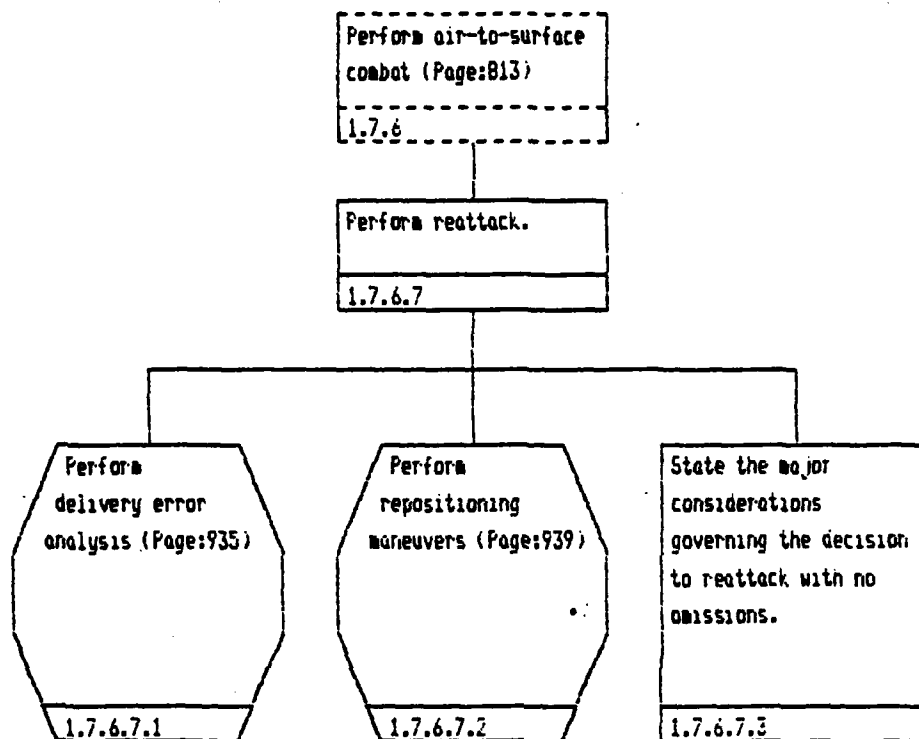
1.7.6

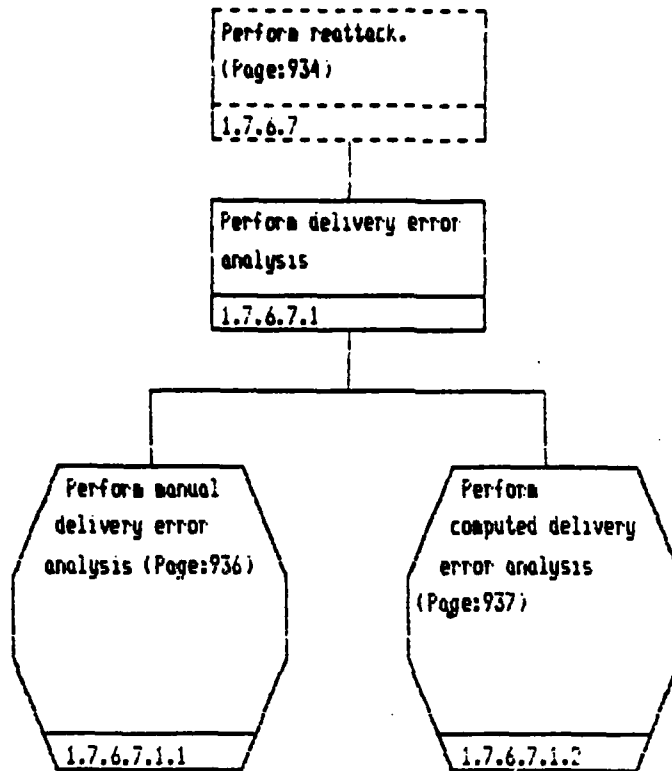
Perform bomb damage  
assessment

1.7.6.6

Describe special  
considerations for  
performing bomb damage  
assessment with and  
without FAC IAW current  
practices.

1.7.6.6.1



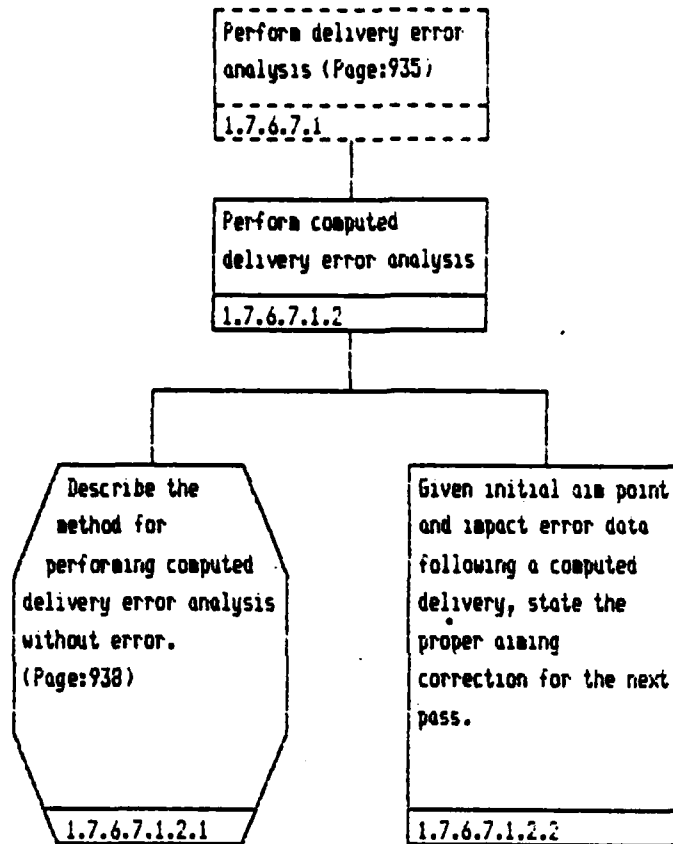


Perform delivery error  
analysis (Page:935)  
1.7.6.7.1

Perform manual delivery  
error analysis  
1.7.6.7.1.1

List factors affecting  
manual delivery  
accuracy and describe  
the method of  
compensating for errors  
IAW Training Manual.  
1.7.6.7.1.1.1





Perform computed  
delivery error analysis  
(Page:937)  
1.7.6.7.1.2

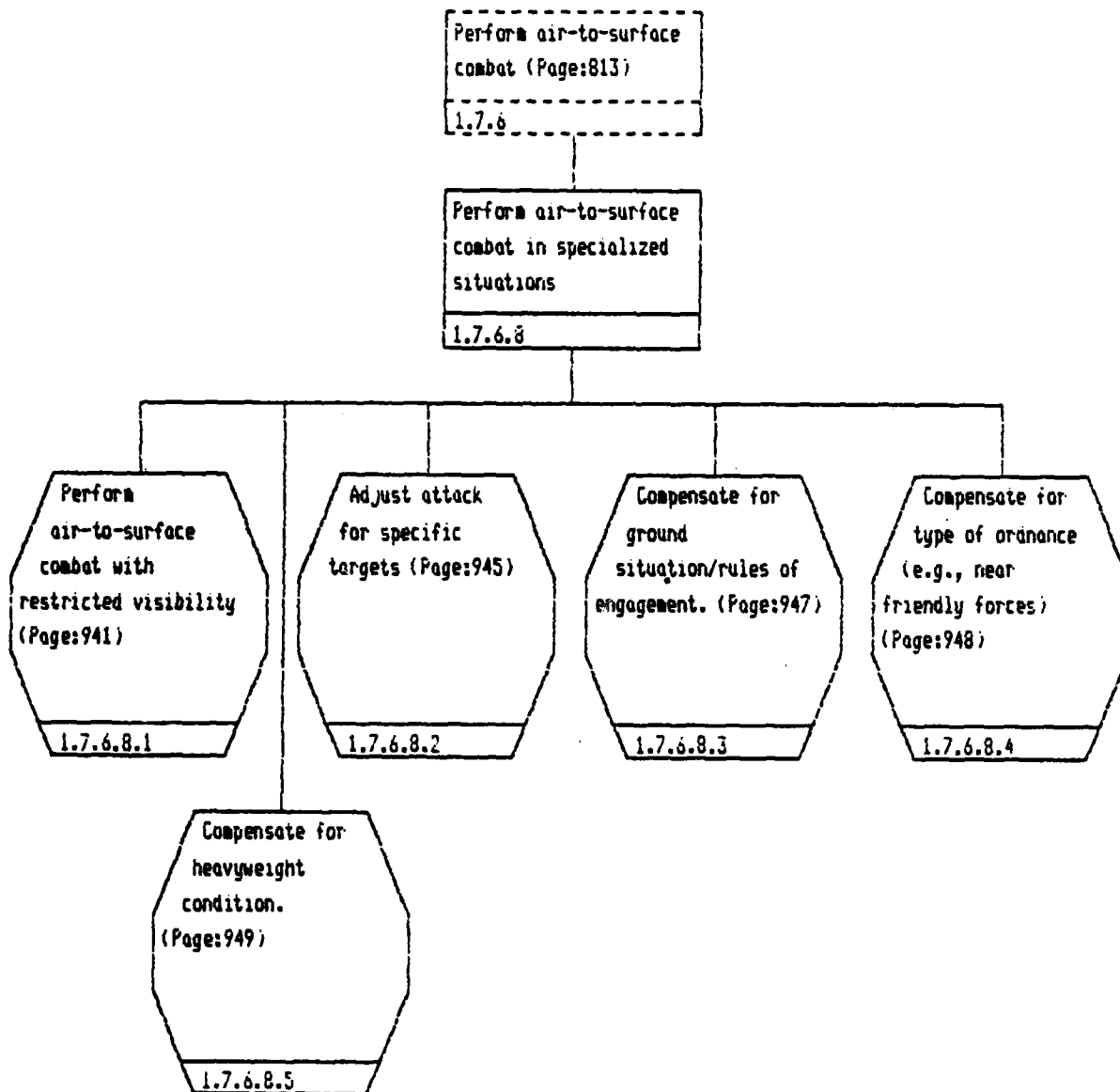
Describe the method for  
performing computed  
delivery error analysis  
without error.  
1.7.6.7.1.2.1

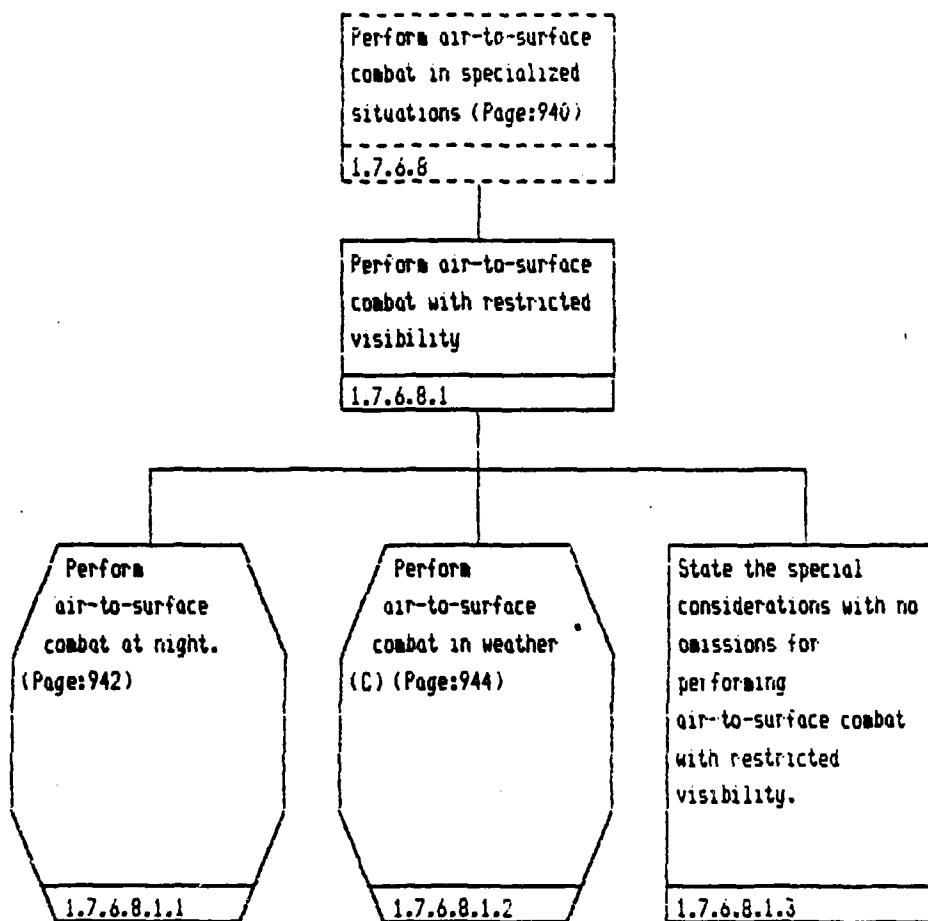
State the sources of  
error and their effect  
during computed weapons  
delivery with no  
omissions.  
1.7.6.7.1.2.1.1

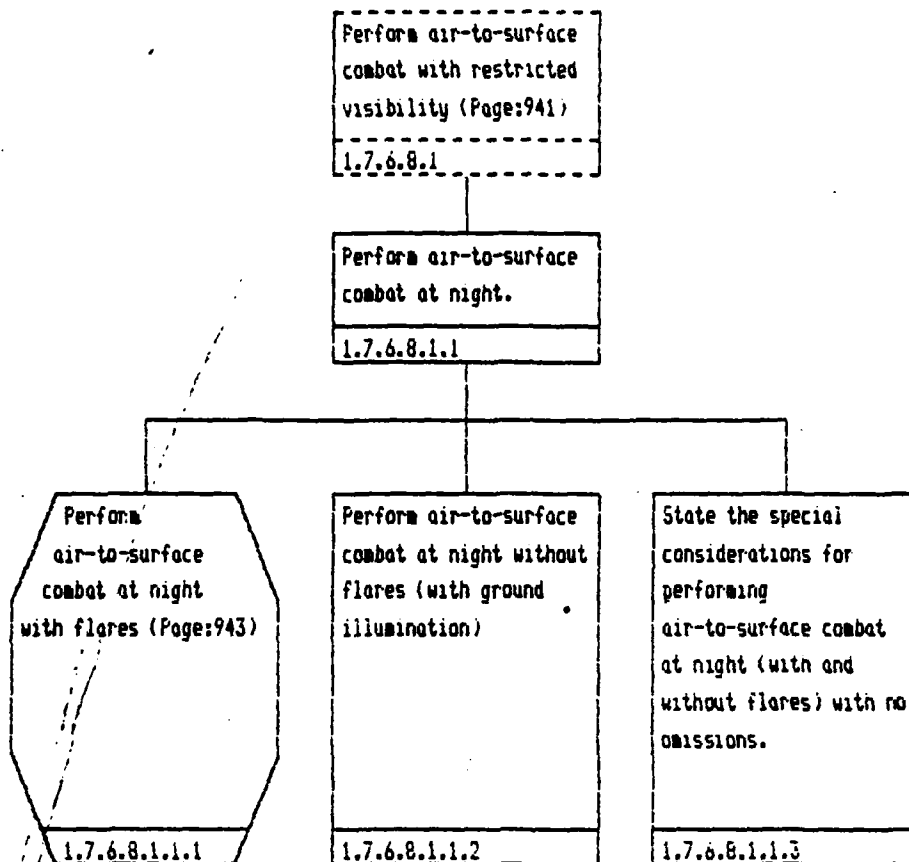
Perform reattack.  
(Page:934)  
1.7.6.7

Perform repositioning  
maneuvers  
1.7.6.7.2

Describe factors and  
special considerations  
affecting positioning  
for reattack, IAW  
accepted practices.  
1.7.6.7.2.1







Perform air-to-surface  
combat at night.

(Page:942)

1.7.6.8.1.1

Perform air-to-surface  
combat at night with  
flares

1.7.6.8.1.1.1

Describe methods used  
for locating a target  
at night using computed  
navigation for initial  
flare release, IAW the  
Training Manual.

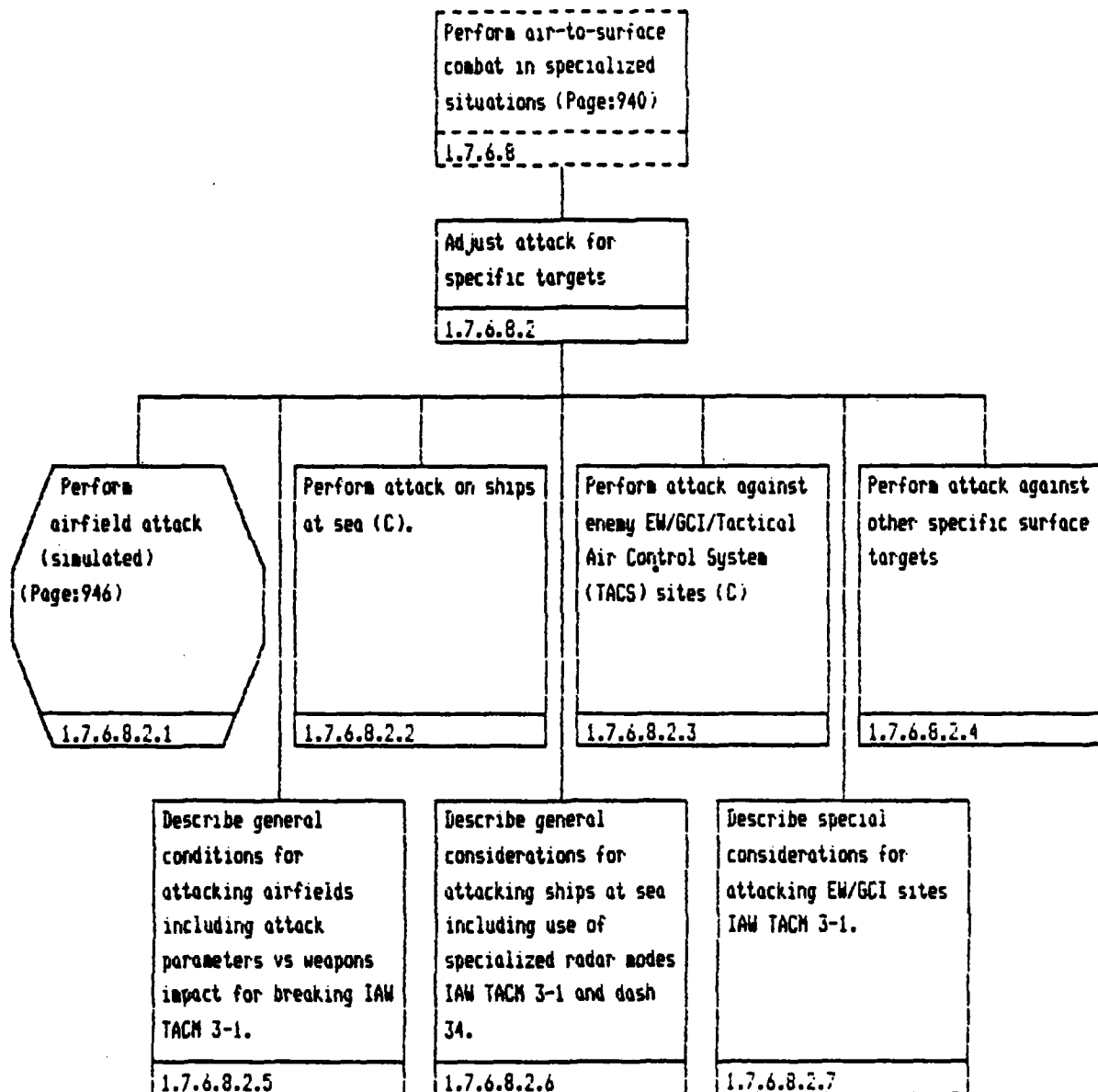
1.7.6.8.1.1.1.1

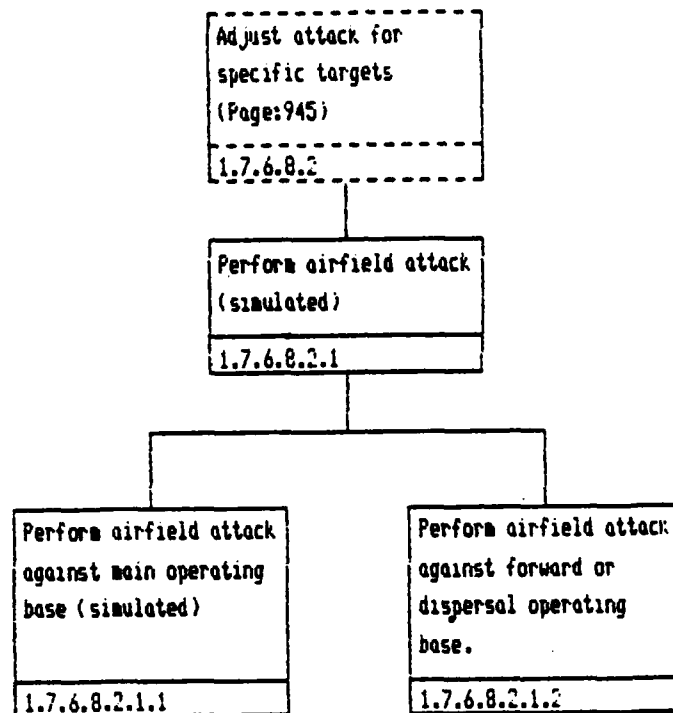
Perform air-to-surface  
combat with restricted  
visibility (Page:941)  
1.7.6.8.1

Perform air-to-surface  
combat in weather (C)  
1.7.6.8.1.2

State the special  
considerations for  
performing  
air-to-surface combat  
in weather with no  
omissions.  
1.7.6.8.1.2.1







Perform air-to-surface  
combat in specialized  
situations (Page:940)

1.7.6.8

Compensate for ground  
situation/rules of  
engagement.

1.7.6.8.3

State the special  
considerations for  
compensating for ground  
situation/rules of  
engagement with no  
omissions.

1.7.6.8.3.1

Perform air-to-surface  
combat in specialized  
situations (Page:940)

1.7.6.8

Compensate for type of  
ordnance (e.g., near  
friendly forces)

1.7.6.8.4

State the special  
considerations for  
compensating for type  
of ordnance (e.g., near  
friendly forces) with  
no omissions.

1.7.6.8.4.1

Perform air-to-surface  
combat in specialized  
situations (Page:940)

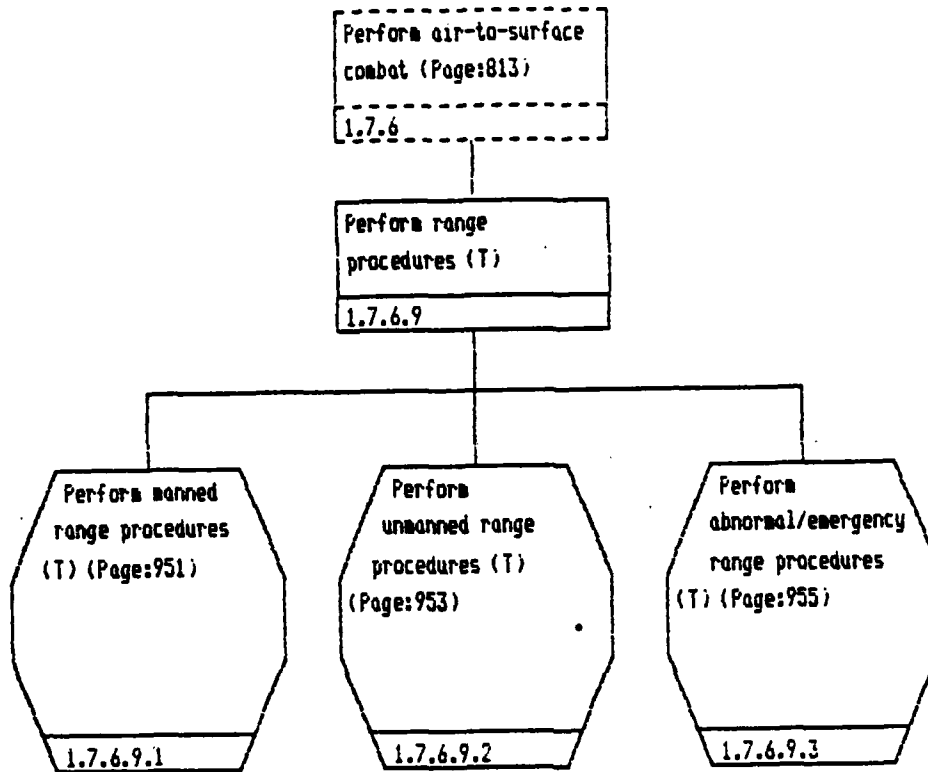
1.7.6.8

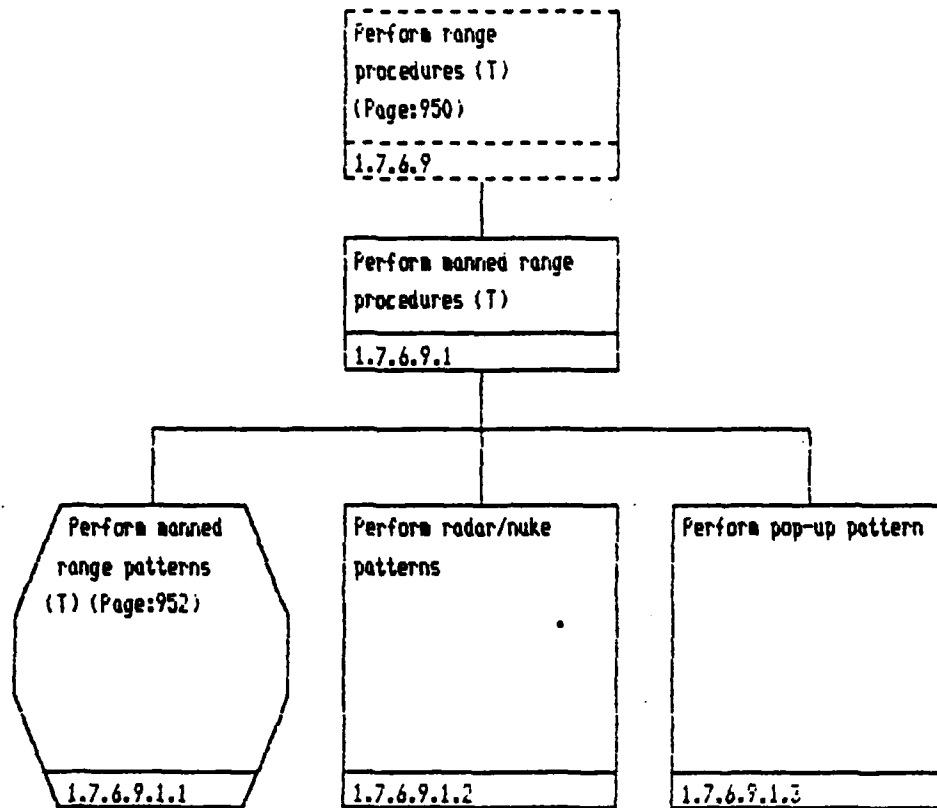
Compensate for  
heavyweight condition.

1.7.6.8.5

State the special  
considerations for  
compensating for  
heavyweight condition  
with no omissions.

1.7.6.8.5.1





Perform manned range  
procedures (T)  
(Page:951)

1.7.6.9.1

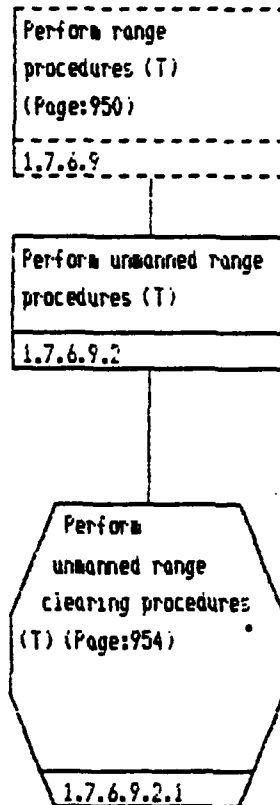
Perform manned range  
patterns (T)

1.7.6.9.1.1

Describe the procedure  
and mandatory radio  
call for performing  
manned range patterns  
without error.

1.7.6.9.1.1.1

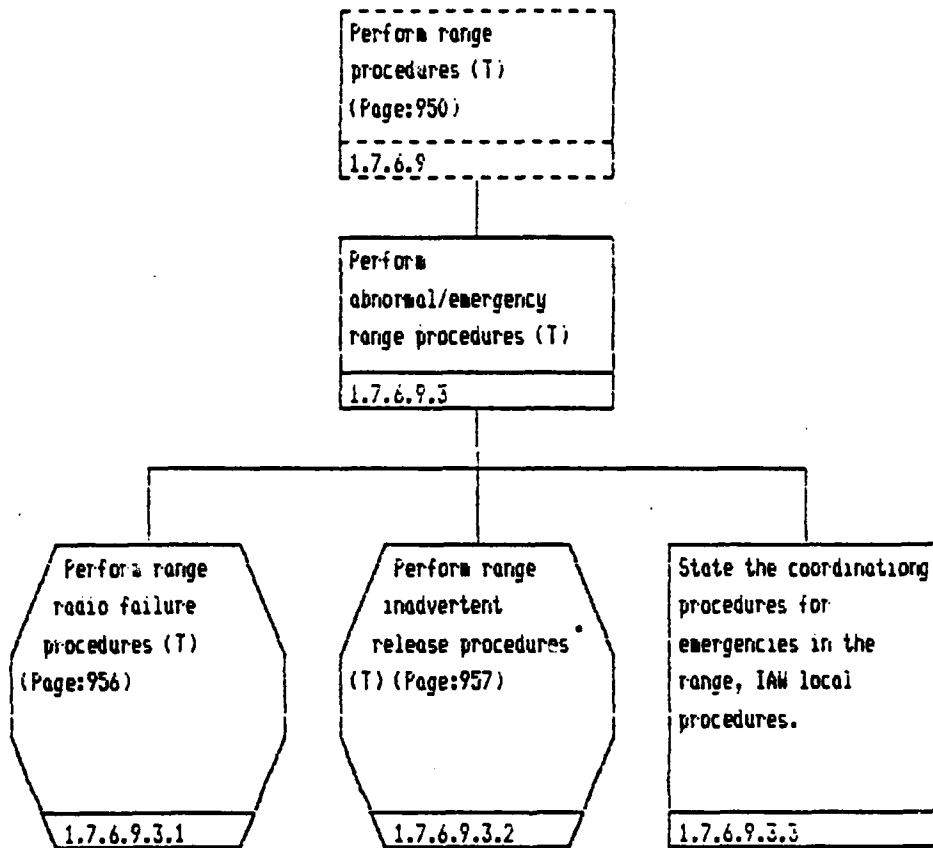




Perform unmanned range  
procedures (T)  
(Page:953)  
1.7.6.9.2

Perform unmanned range  
clearing procedures (T)  
1.7.6.9.2.1

Describe the procedure  
for performing unmanned  
range entry and  
clearing without error  
IAW local procedures.  
1.7.6.9.2.1.1



Perform  
abnormal/emergency  
range procedures (T)  
(Page:955)  
1.7.6.9.3

Perform range radio  
failure procedures (T)  
1.7.6.9.3.1

State the procedure for  
radio failure on the  
range with no omissions  
IAW local procedures.  
1.7.6.9.3.1.1

Perform  
abnormal/emergency  
range procedures (T)  
(Page:955)

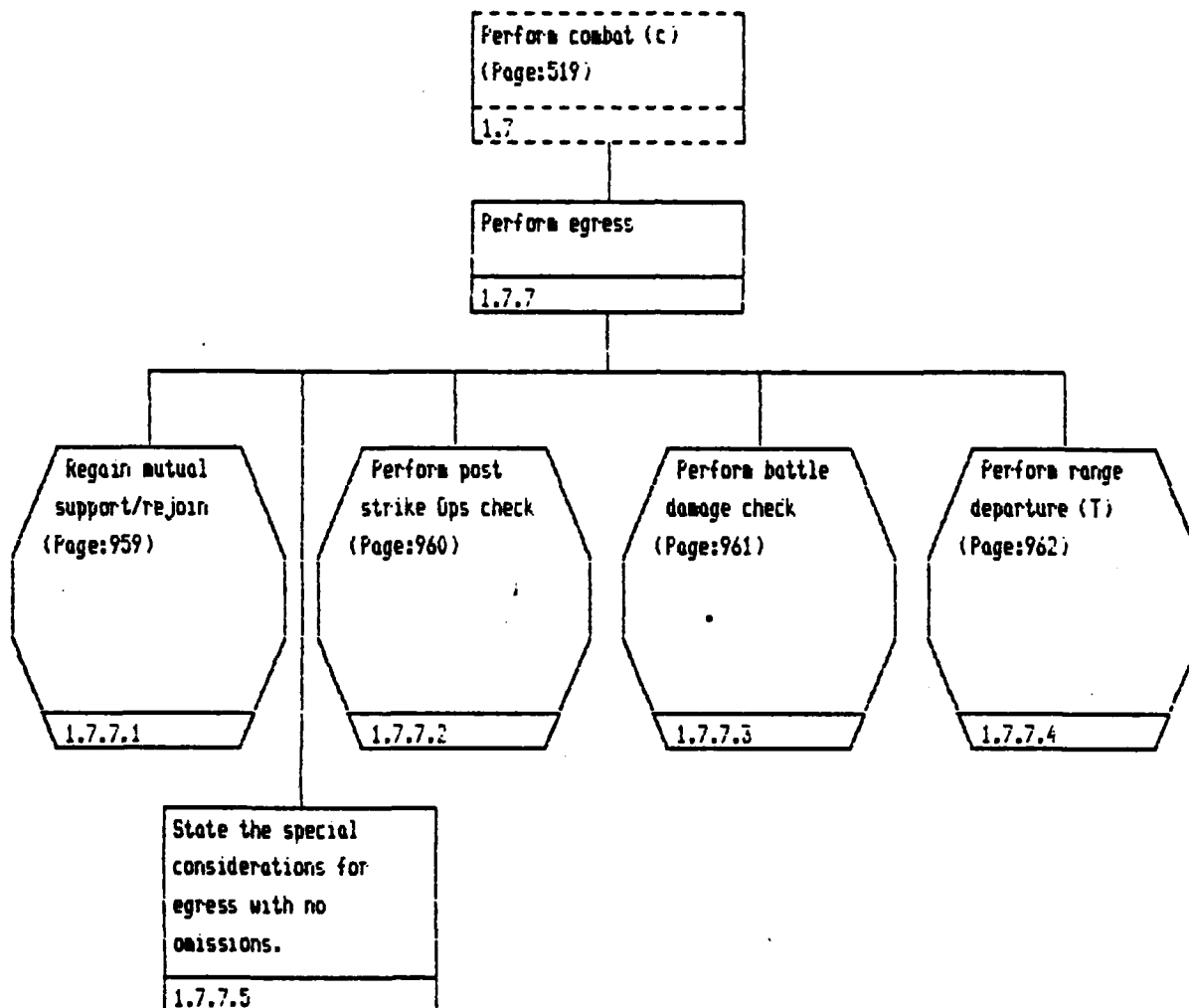
1.7.6.9.3

Perform range  
inadvertent release  
procedures (T)

1.7.6.9.3.2

State the procedure for  
inadvertent release on  
and off the range with  
no omissions IAW local  
procedures.

1.7.6.9.3.2.1



Perform egress  
(Page:958)  
1.7.7

Regain mutual  
support/rejoin  
1.7.7.1

State the  
considerations for  
regaining mutual  
support/rejoin with no  
omissions.  
1.7.7.1.1

Perform egress  
(Page:958)  
1.7.7

Perform post strike Ops  
check  
1.7.7.2

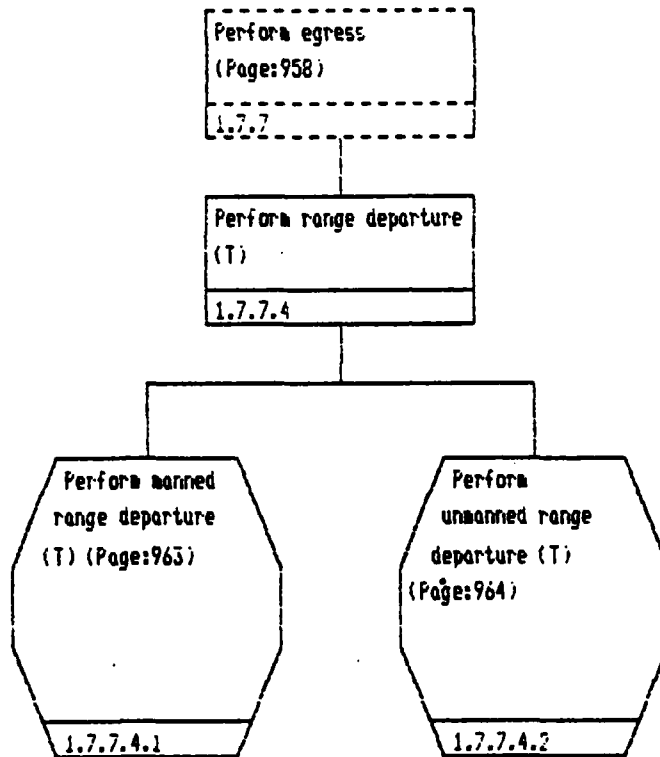
Describe the procedure  
for performing post  
strike Ops check  
without error.  
1.7.7.2.1



Perform egress  
(Page:958)  
1.7.7

Perform battle damage  
check  
1.7.7.3

Describe the procedure  
for performing battle  
damage check without  
error.  
1.7.7.3.1



Perform range departure  
(T) (Page:962)  
1.7.7.4

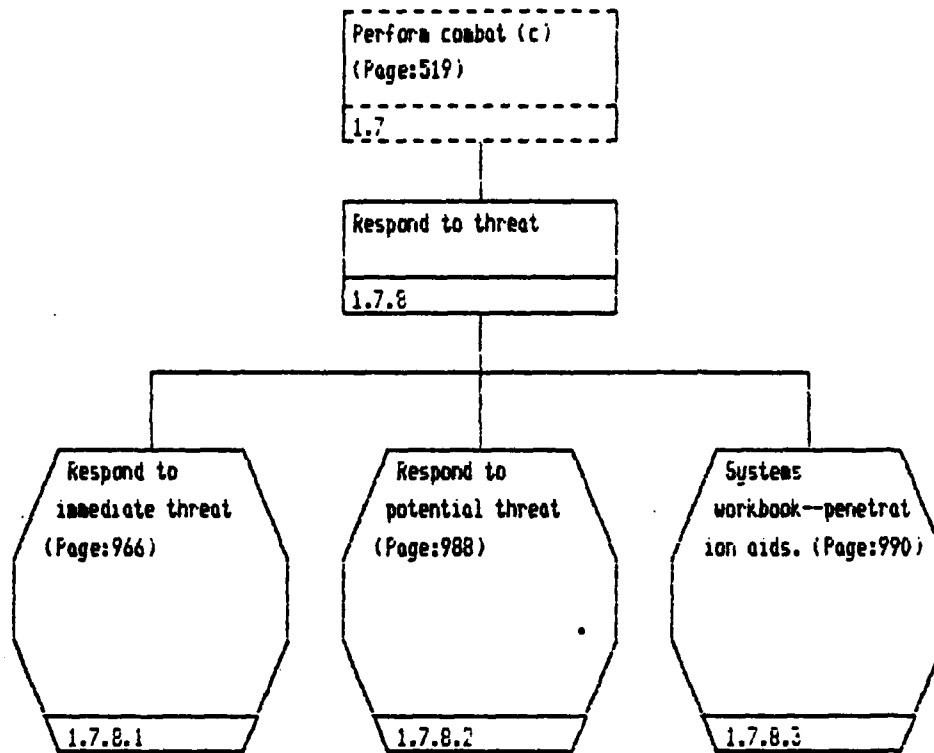
Perform manned range  
departure (T)  
1.7.7.4.1

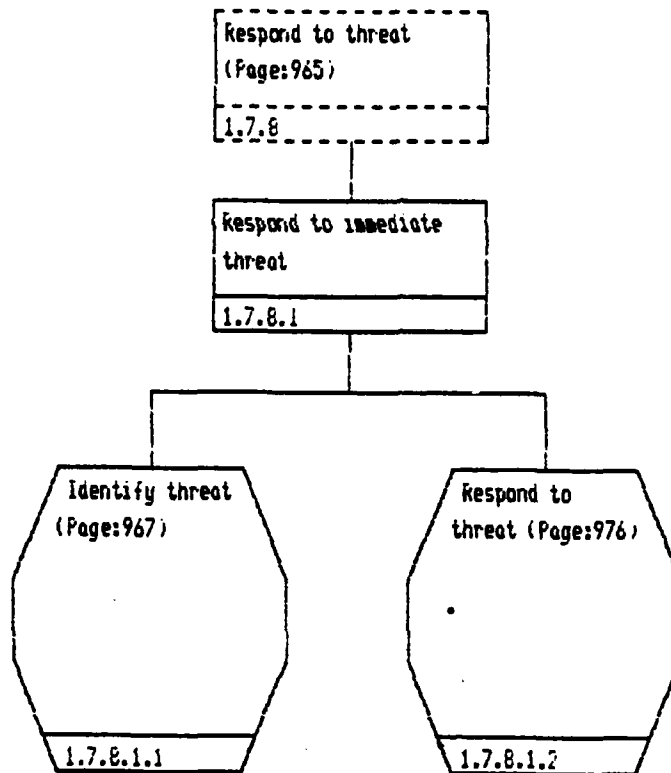
Describe the procedure  
for performing manned  
range departure without  
error.  
1.7.7.4.1.1

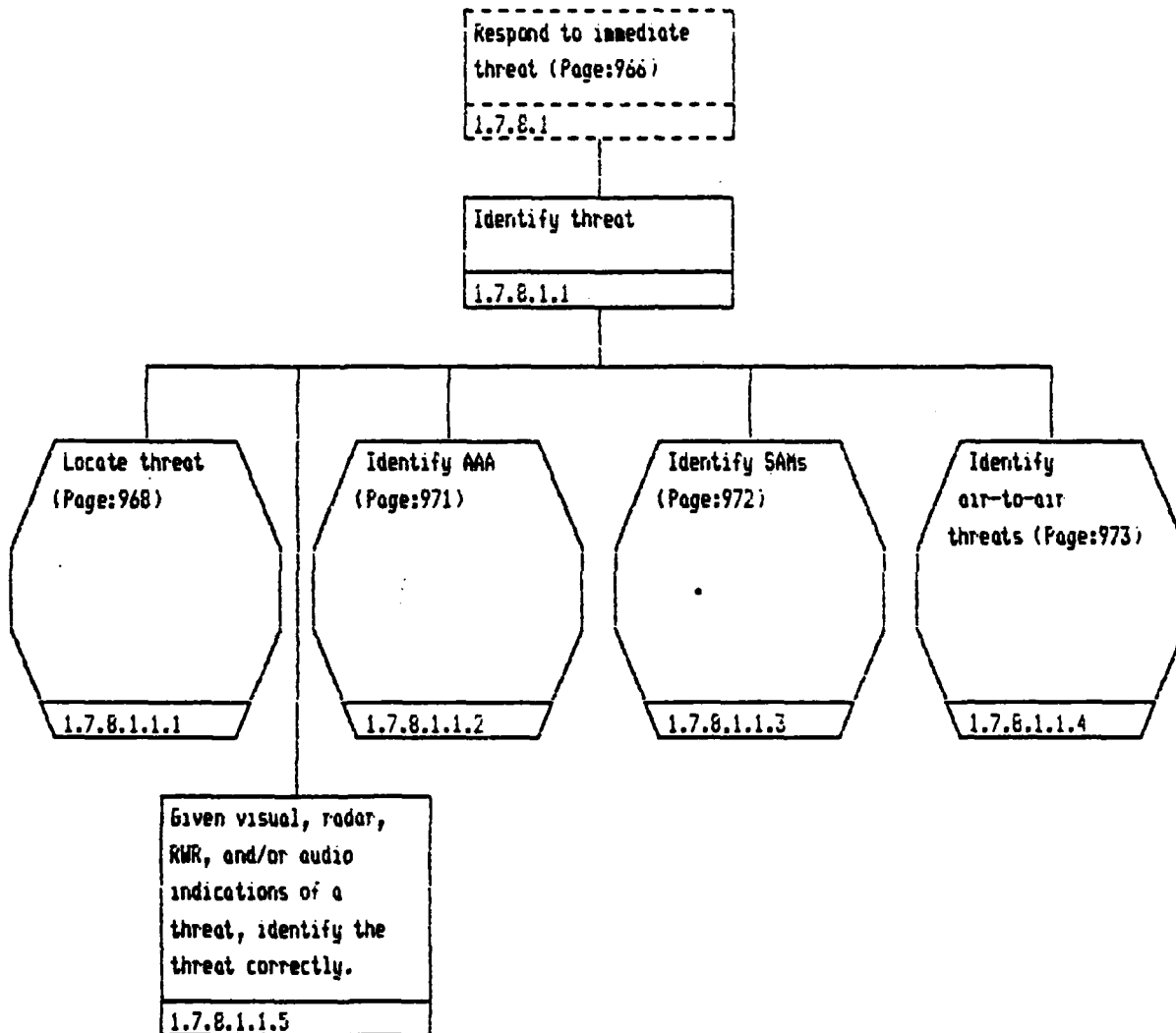
Perform range departure  
(T) (Page:962)  
1.7.7.4

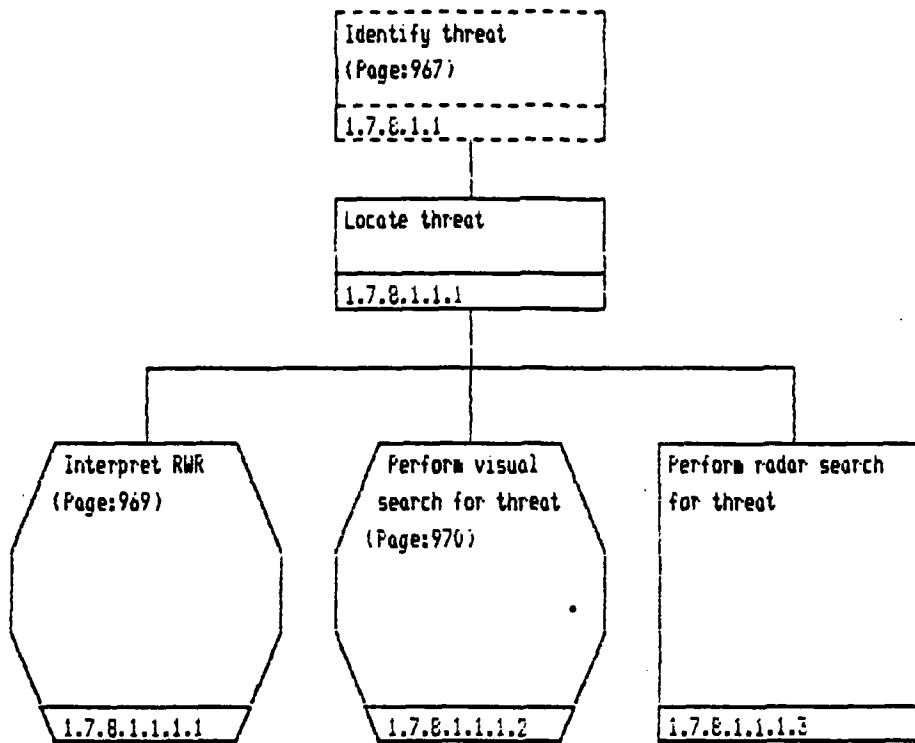
Perform unmanned range  
departure (T)  
1.7.7.4.2

Describe the procedure  
for performing unmanned  
range departure without  
error.  
1.7.7.4.2.1











Locate threat (Page:968)  
1.7.8.1.1.1

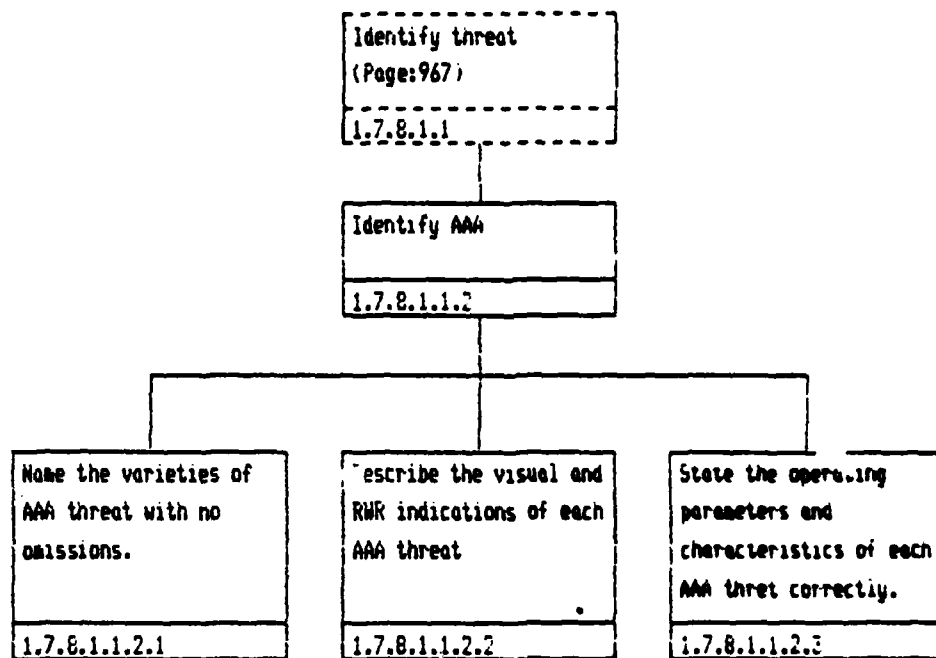
Interpret RWR  
1.7.8.1.1.1.1

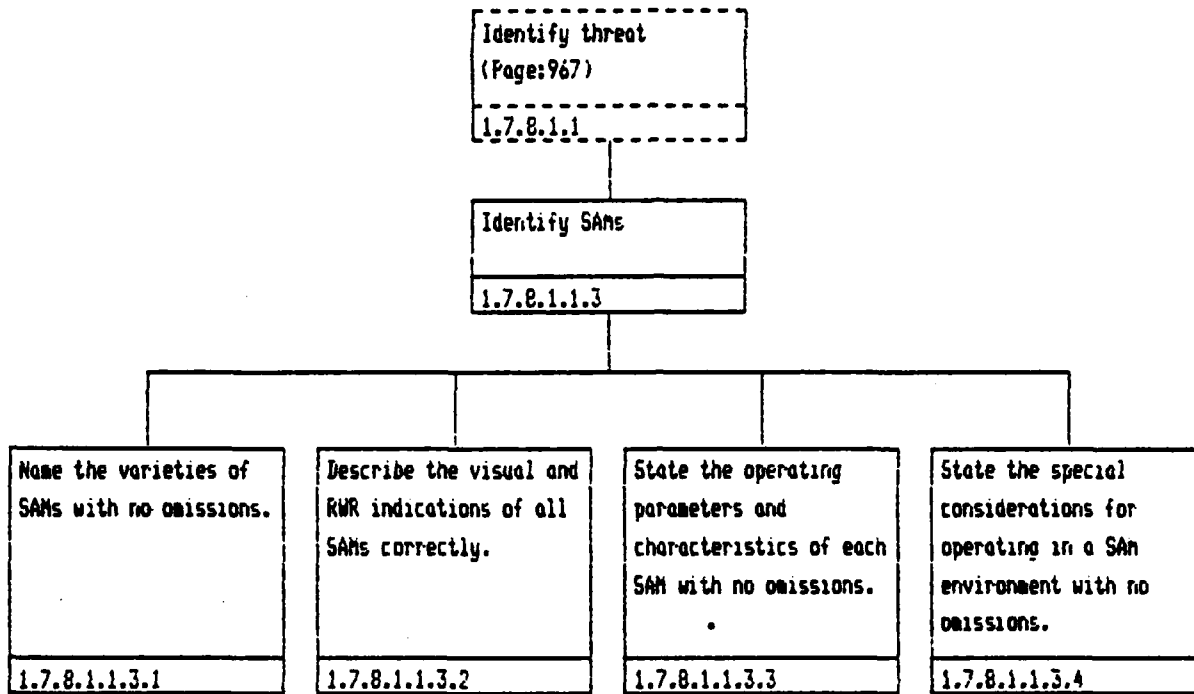
Given a photograph or drawing of the RWR scope and accompanying audio tones, interpret scope presentations and identify threats without error.  
1.7.8.1.1.1.1.1

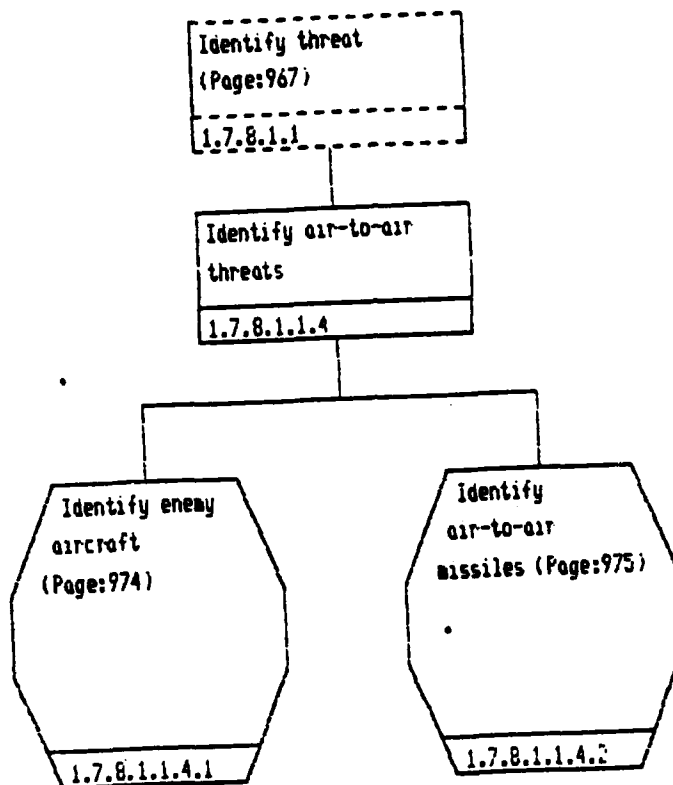
Locate threat (Page:968)  
1.7.8.1.1.1

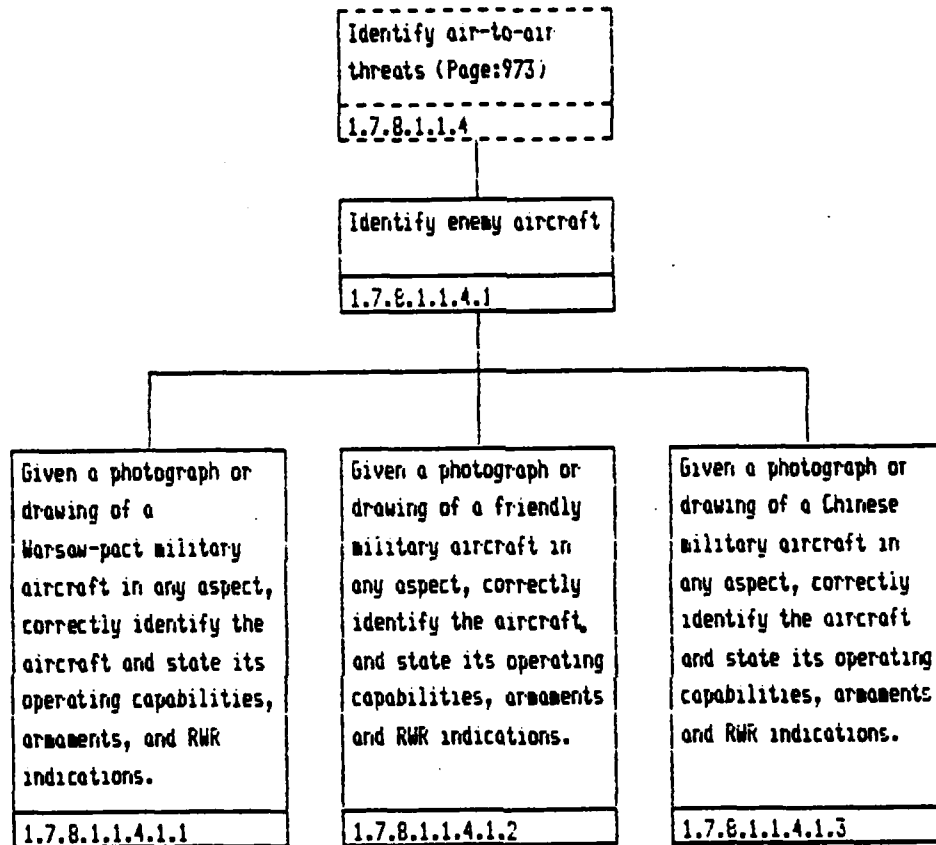
Perform visual search  
for threat  
1.7.8.1.1.1.2

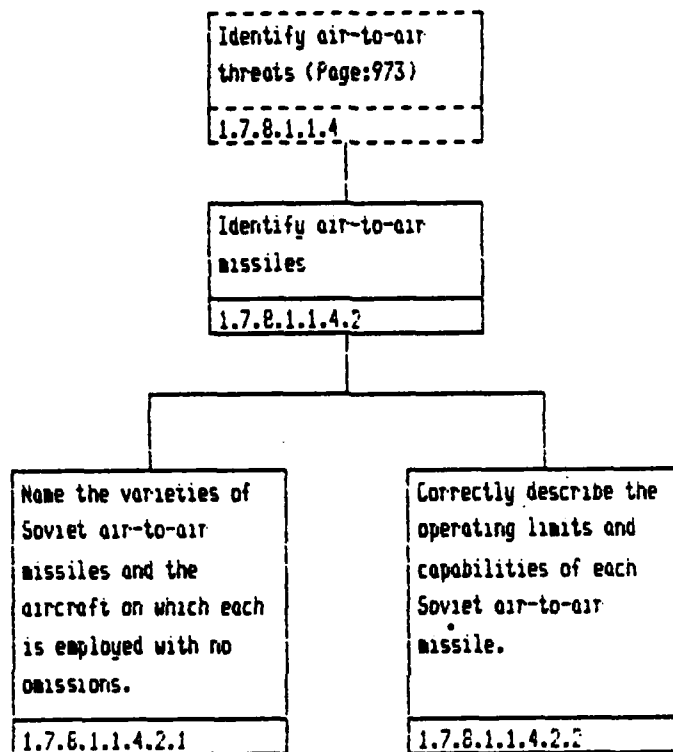
Describe the procedure  
for performing visual  
search for threat  
without error.  
1.7.8.1.1.1.2.1

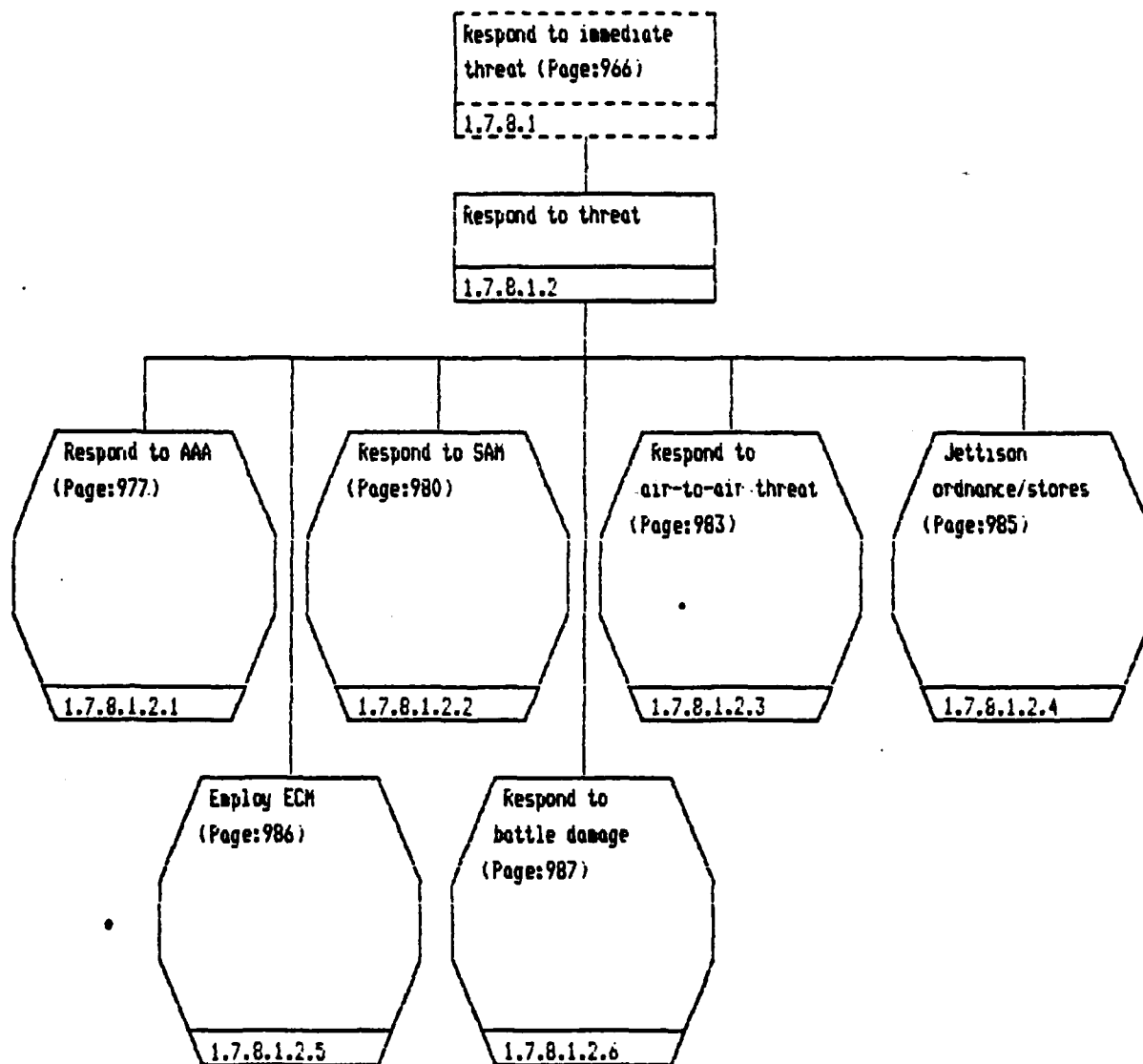




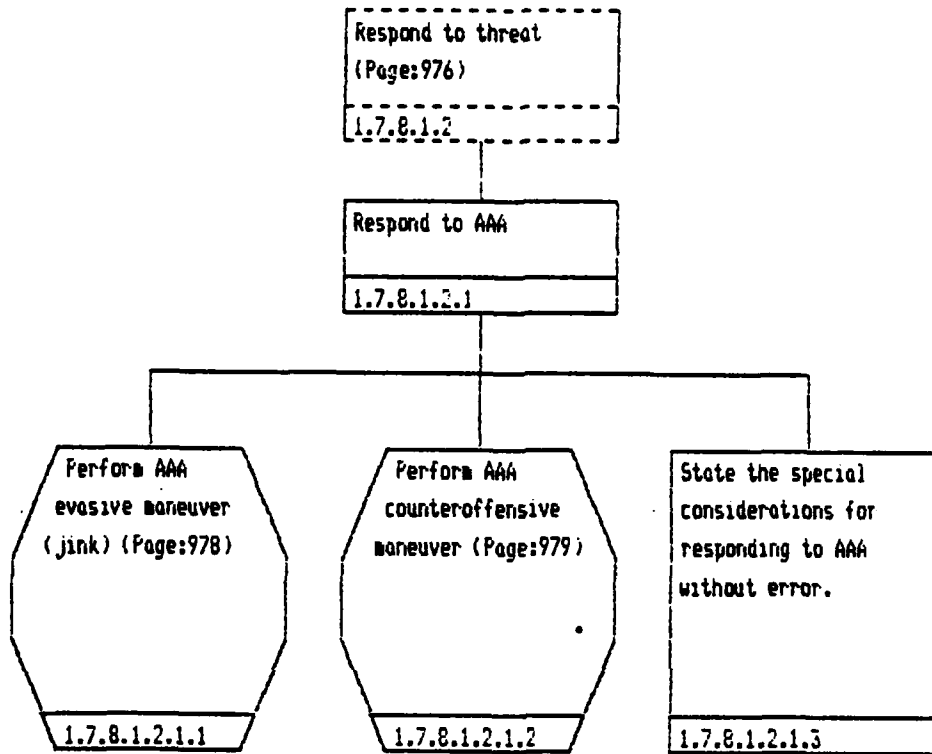












Respond to AAA  
(Page:977)  
1.7.8.1.2.1

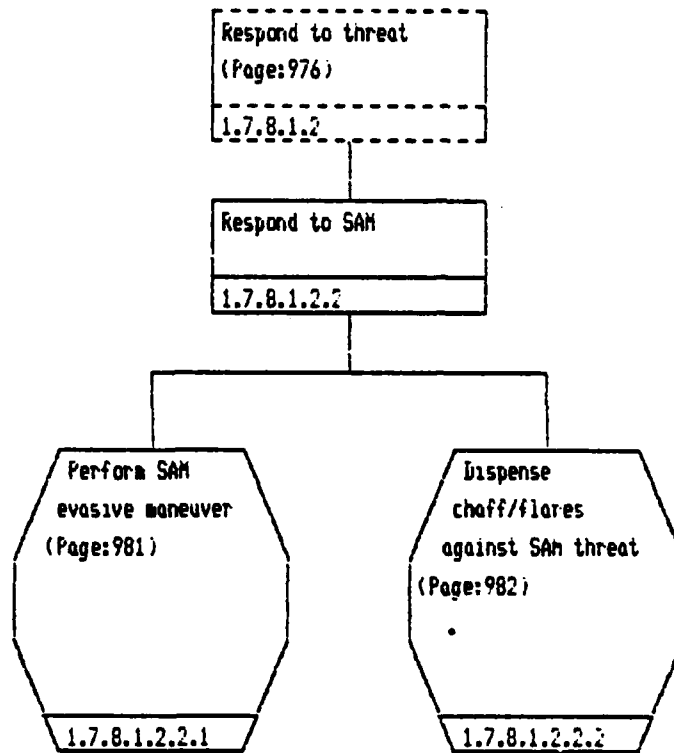
Perform AAA evasive  
maneuver (jink)  
1.7.8.1.2.1.1

State the  
considerations for  
performing AAA evasive  
maneuver (jink) without  
error.  
1.7.8.1.2.1.1.1

Respond to AAA  
(Page:977)  
1.7.8.1.2.1

Perform AAA  
counteroffensive  
maneuver  
1.7.8.1.2.1.2

State the major  
considerations for  
performing AAA  
counteroffensive  
maneuvers, without  
error.  
1.7.8.1.2.1.2.1



Respond to SAM  
(Page:980)  
1.7.8.1.2.2

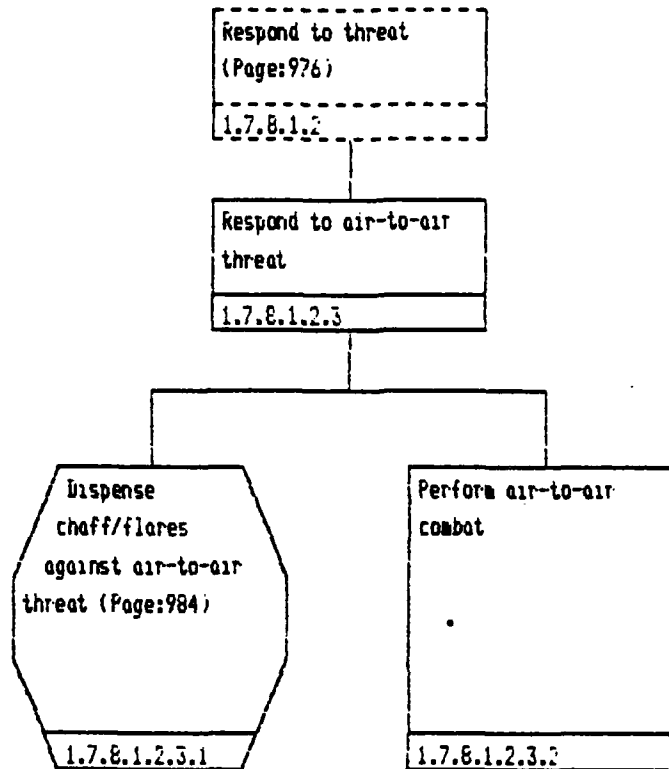
Perform SAM evasive  
maneuver  
1.7.8.1.2.2.1

State the special  
considerations for  
maneuvering in response  
to a specific SAM  
launch with no  
omissions.  
1.7.8.1.2.2.1.1

Respond to SAM  
(Page:980)  
1.7.8.1.2.2

Dispense chaff/flares  
against SAM threat  
1.7.8.1.2.2.2

Describe the procedure  
for dispensing  
chaff/flares against  
SAM threats without  
error.  
1.7.8.1.2.2.2.1



Respond to air-to-air  
threat (Page:983)

1.7.8.1.2.3

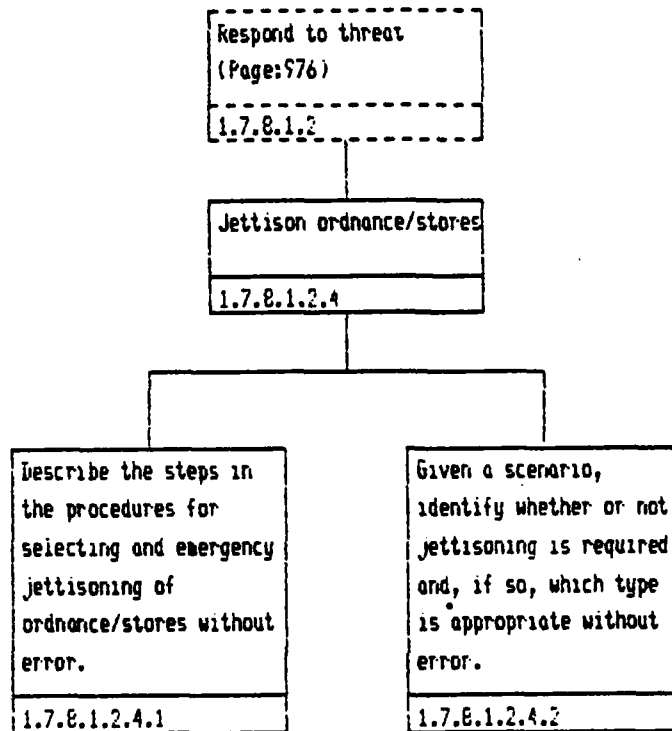
Dispense chaff/flares  
against air-to-air  
threat

1.7.8.1.2.3.1

Describe the procedure  
for dispensing  
chaff/flares against  
air-to-air threats  
without error.

1.7.8.1.2.3.1.1





Respond to threat  
(Page:976)  
1.7.8.1.2

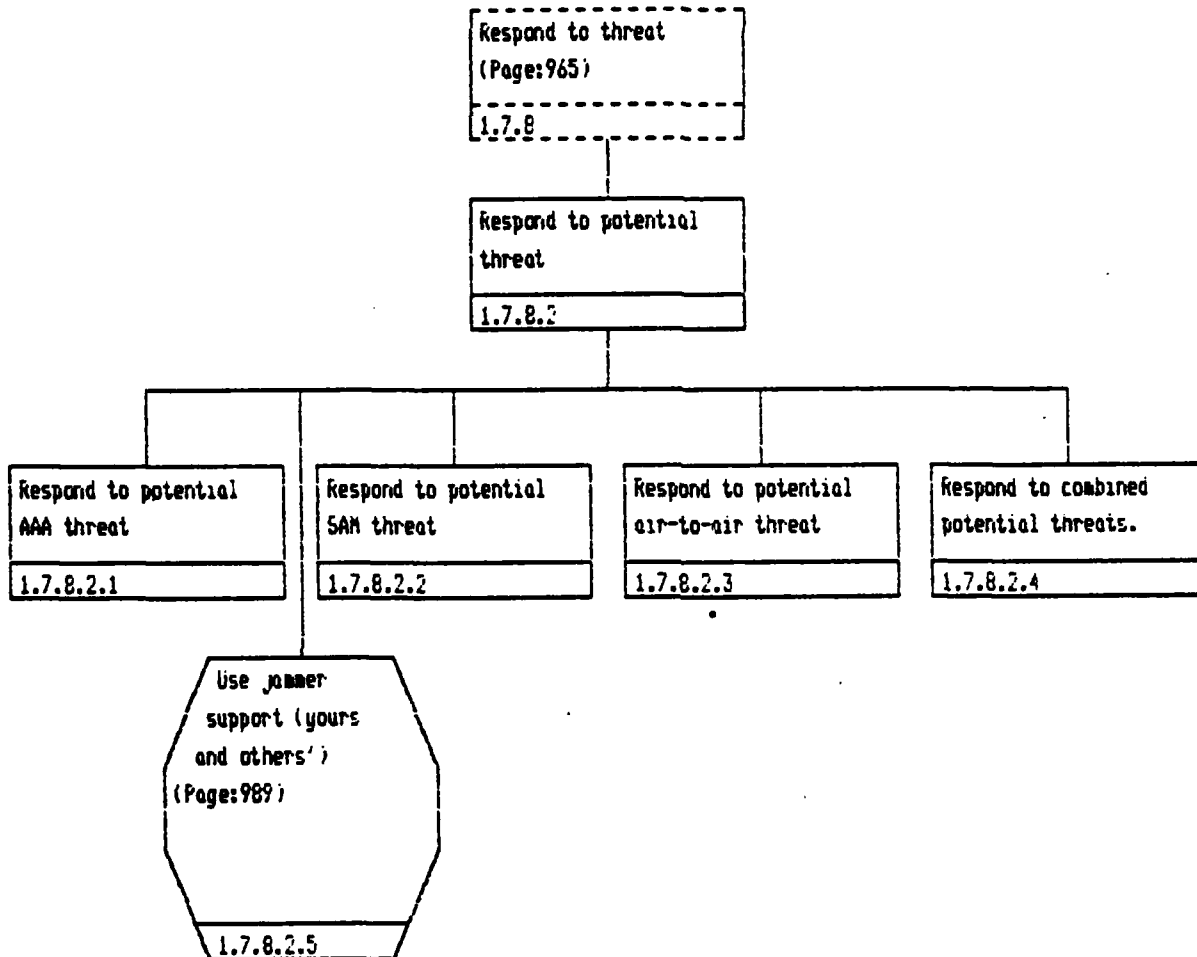
Employ ECM  
1.7.8.1.2.5

TBD CRD BEHAVIOR  
STATES: Employ ECM  
1.7.8.1.2.5.1

Respond to threat  
(Page:976)  
1.7.8.1.2

Respond to battle damage  
1.7.8.1.2.6

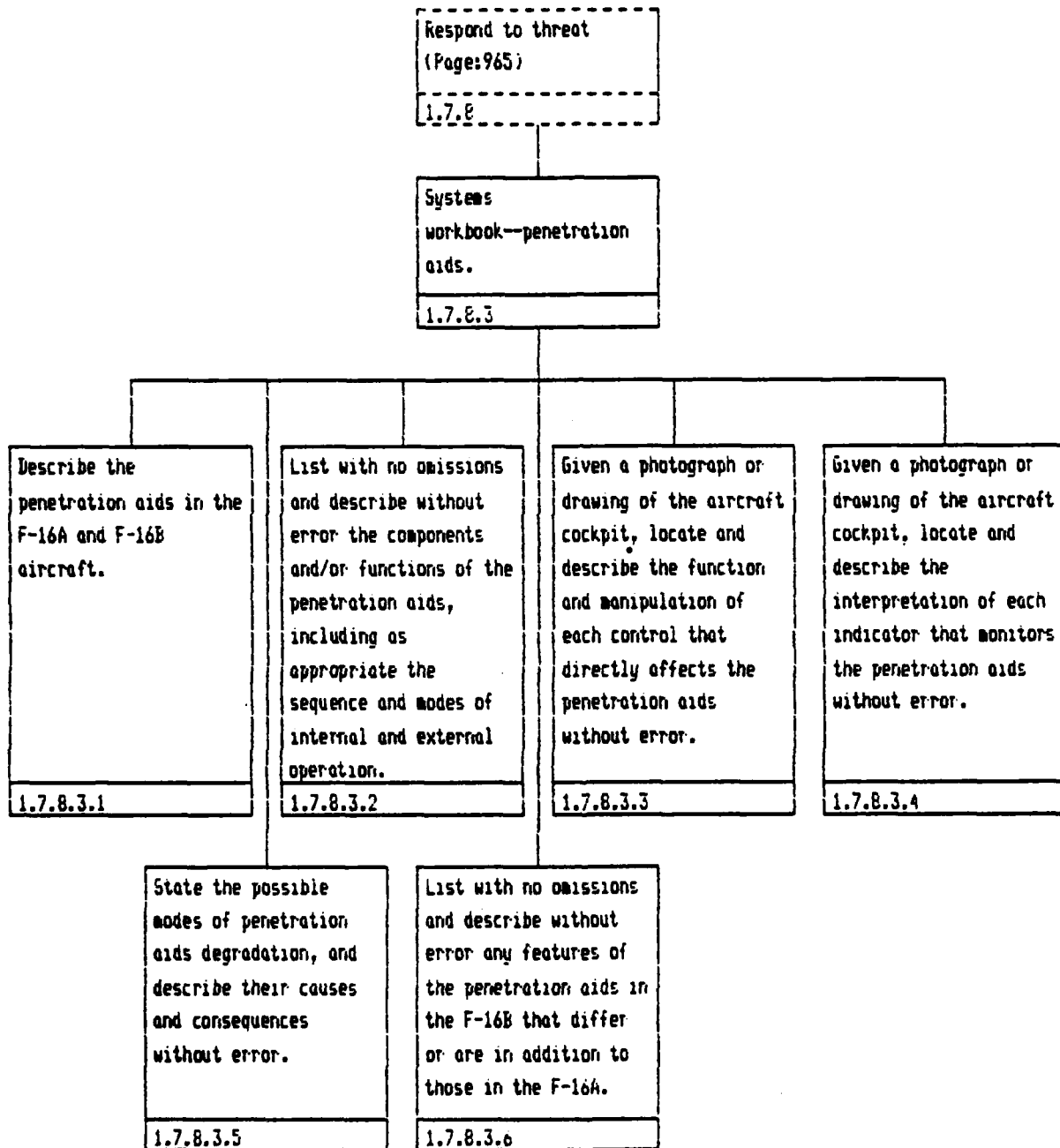
State the major  
considerations for  
responding to battle  
damage with no  
omissions.  
1.7.8.1.2.6.1



Respond to potential  
threat (Page:988)  
1.7.8.2

Use jammer support  
(yours and others')  
1.7.8.2.5

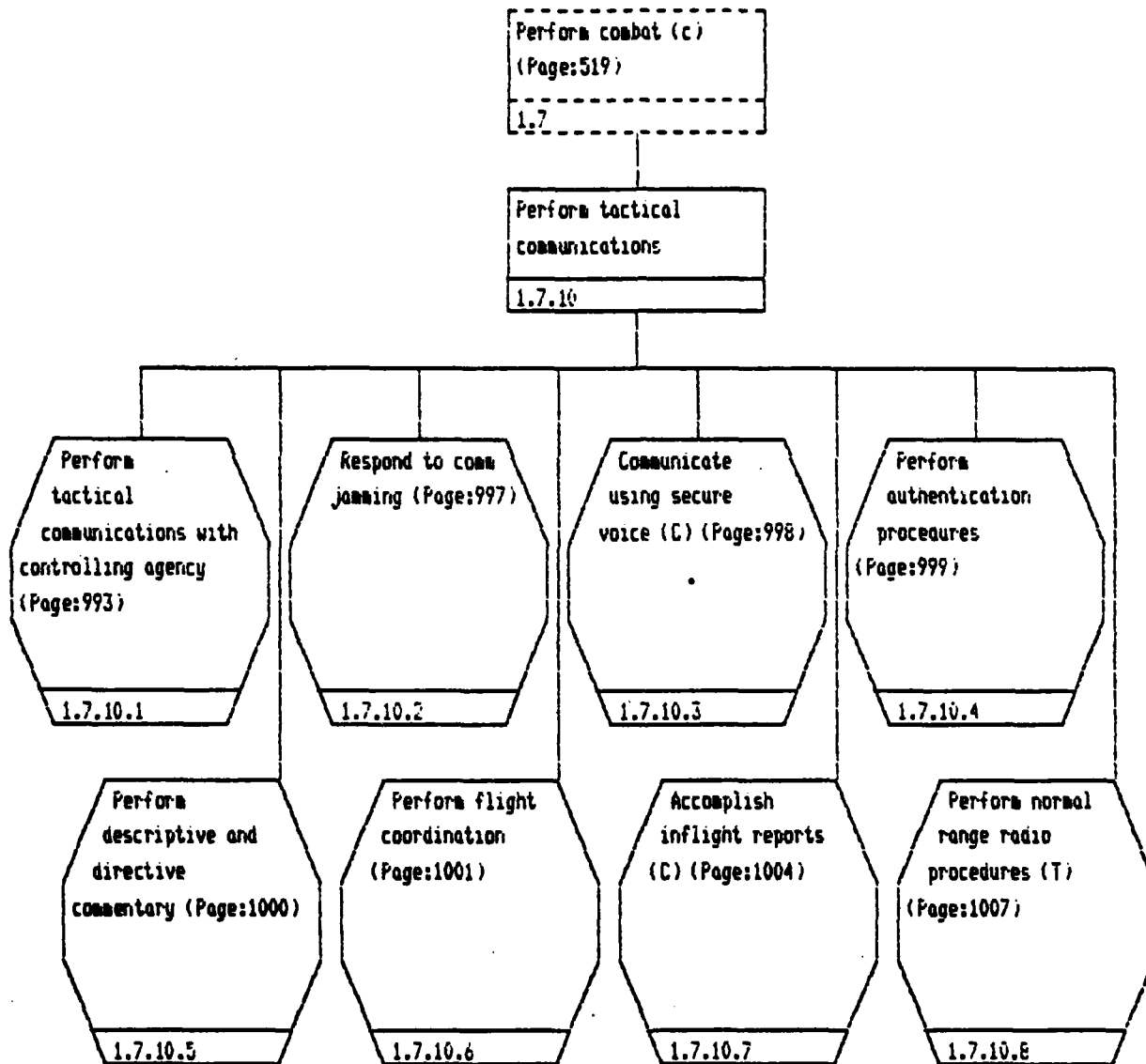
State the special  
considerations for  
using jammer support  
(yours and others')  
with no omissions.  
1.7.8.2.5.1



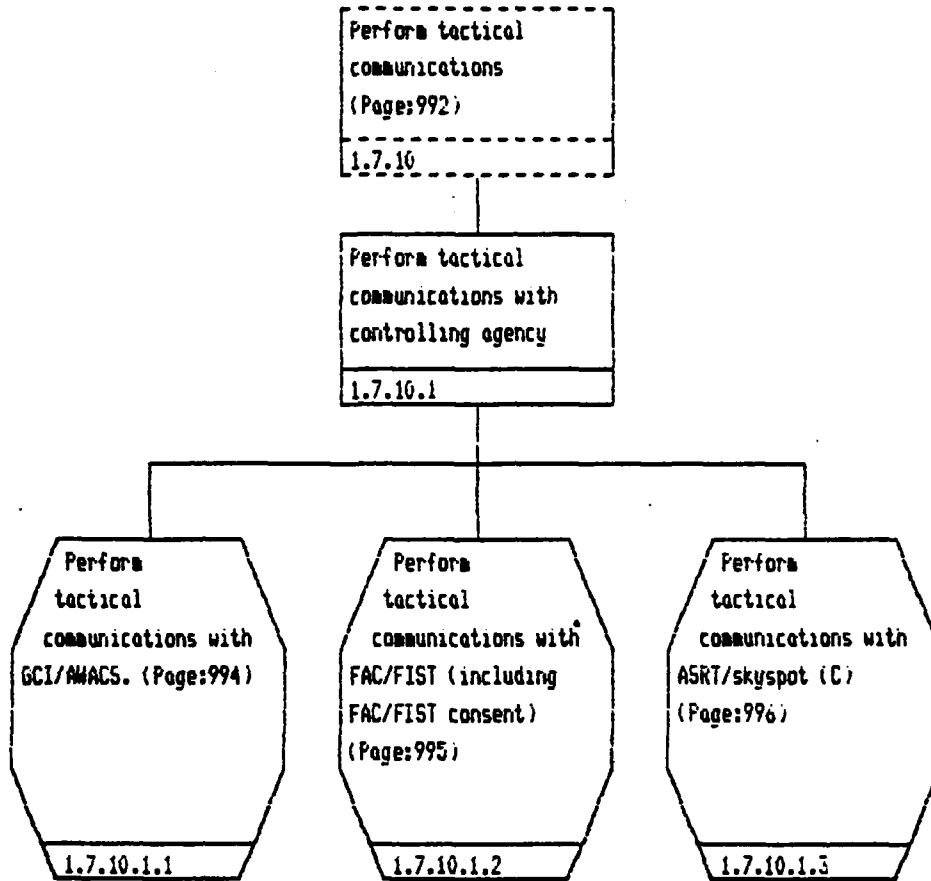
Perform combat (c)  
(Page:519)  
1.7

Coordinate with search  
and rescue (SAR) effort  
1.7.9

State the special  
considerations for  
coordinating with  
search and rescue (SAR)  
effort with no  
omissions.  
1.7.9.1



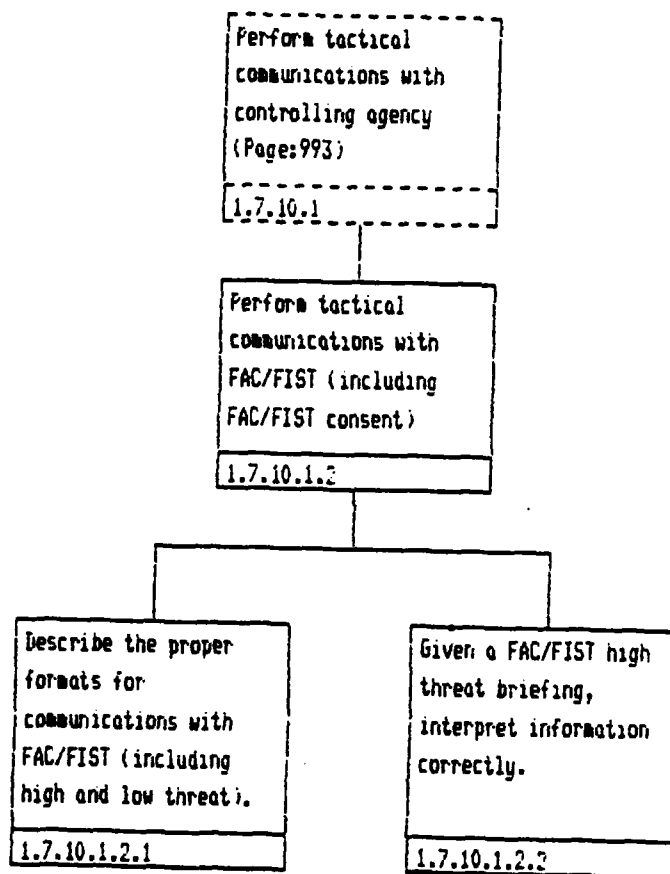




Perform tactical  
communications with  
controlling agency  
(Page:993)  
1.7.10.1

Perform tactical  
communications with  
GCI/AMACS.  
1.7.10.1.1

Given radio calls from  
GCI/AMACS, correctly  
interpret and verbally  
respond.  
1.7.10.1.1.1



Perform tactical  
communications with  
controlling agency  
(Page:993)

1.7.10.1

Perform tactical  
communications with  
ASRT/skyspot (C)

1.7.10.1.3

Describe the proper  
formats for  
communications with  
ASRT/skyspot.

1.7.10.1.3.1

Perform tactical  
communications  
(Page:992)  
1.7.10

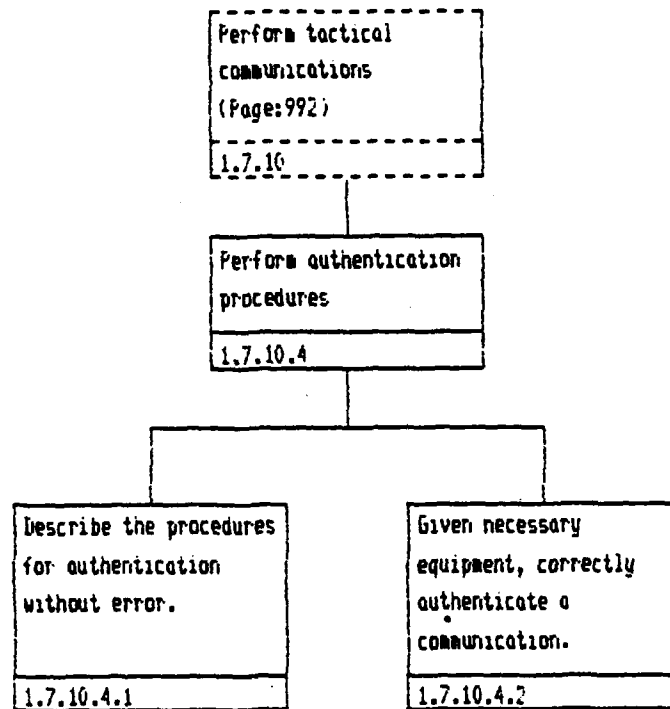
Respond to comm jamming  
1.7.10.2

State the special  
considerations for  
responding to comm  
jamming with no  
omissions.  
1.7.10.2.1

Perform tactical  
communications  
(Page:992)  
1.7.10

Communicate using  
secure voice (C)  
1.7.10.3

Describe the procedure  
for communicating using  
secure voice without  
error.  
1.7.10.3.1

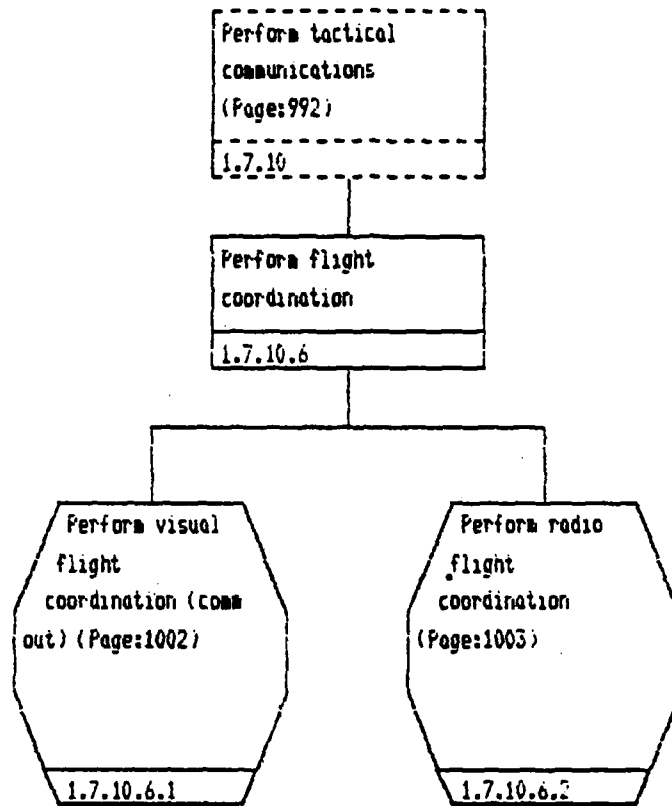


Perform tactical  
communications  
(Page:992)  
1.7.10

Perform descriptive and  
directive commentary  
1.7.10.5

Describe the procedures  
for descriptive and  
directive commentary  
without error.  
1.7.10.5.1





Perform flight  
coordination (Page:1001)  
1.7.10.6

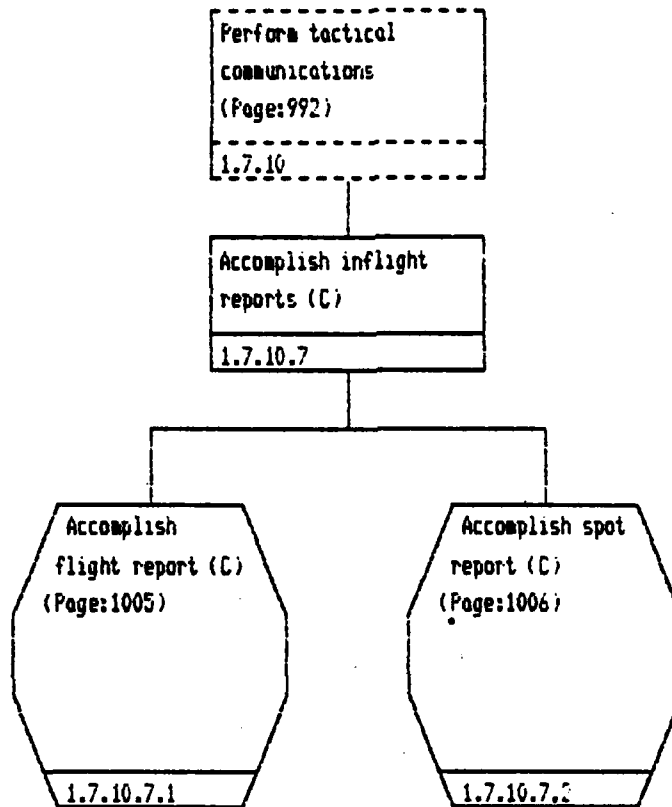
Perform visual flight  
coordination (comm out)  
1.7.10.6.1

Given a description of  
a signal used during  
visual flight  
coordination, correctly  
interpret the signal \*  
1.7.10.6.1.1

Perform flight  
coordination (Page:1001)  
1.7.10.6

Perform radio flight  
coordination  
1.7.10.6.2

Given an air-to-air  
radio call, correctly  
interpret the call.  
1.7.10.6.2.1



Accomplish inflight  
reports (C) (Page:1004)  
1.7.10.7

Accomplish flight  
report (C)  
1.7.10.7.1

Describe the content,  
syntax, and use of the  
flight report correctly.  
1.7.10.7.1.1

Accomplish inflight  
reports (C) (Page:1004)  
1.7.10.7

Accomplish spot report  
(C)  
1.7.10.7.2

Describe the content,  
syntax, and use of the  
spot report correctly.  
1.7.10.7.2.1 .

Perform tactical  
communications  
(Page:992)  
1.7.10

Perform normal range  
radio procedures (T)  
1.7.10.8

Describe the  
communications to be  
made on the range and  
state the syntax of  
each call correctly.  
1.7.10.8.1

